

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

SAM. L. ROGERS, DIRECTOR

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BULLETIN 131

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# COTTON PRODUCTION AND DISTRIBUTION

SEASON OF 1914-15

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## LETTER OF TRANSMITTAL.

DEPARTMENT OF COMMERCE,  
BUREAU OF THE CENSUS,  
Washington, D. C., September 21, 1915.

SIR:

I have the honor to transmit herewith Census Bulletin 131, which is a report on the production of cotton from the crop of 1914, and the consumption, imports, exports, and stocks of cotton and number of cotton spindles for the year ending July 31, 1915. The statistics were collected and compiled by this bureau under the supervision of William M. Steuart, chief statistician for manufactures, assisted by H. J. Zimmerman.

The report is presented in five divisions: (1) Annual production of cotton and linters in the United States, as returned by ginneries and delinters, distributed by states and counties, from 1910 to 1914, inclusive, with statistics of production for previous years; (2) world's cotton production from 1910 to 1914, by countries; (3) consumption, imports, exports, and stocks of cotton and number of cotton spindles in the United States for the year ending July 31, 1915, together with detailed statistics of spindles, cotton consumed, cotton on hand, and imports and exports of cotton and cotton goods, including comparative figures for previous years; (4) the world's spindles and consumption of cotton; and (5) the manufacture of cottonseed products as returned at the census of manufactures covering the season of 1913-14.

In conformity with the act of Congress approved July 22, 1912, there were published 10 preliminary reports of cotton ginned to specified dates during the season of 1914-15, and 12 reports giving for each month during the year ending July 31, 1915, statistics of the quantity of cotton and linters consumed, the quantity on hand in consuming establishments and in public storage and at compresses, the quantity imported, the quantity exported, and the number of active consuming cotton spindles. The statistics of imports show the countries of production, and those of exports the principal countries to which exported. The present report gives the aggregate of the figures included in the preliminary statements, and covers, respectively, the sixteenth and the eleventh consecutive years for which statistics of cotton ginned, and statistics of cotton consumed and cotton stocks, have been collected and published by this bureau. Four reports of cotton seed crushed and linters produced were also collected as follows: To December 1, to January 1, to March 1, and for the season.

The cotton exchanges and statistical bodies, both in this country and abroad, have very generally agreed upon a change in the "cotton year" from the 12 months ending August 31 to the 12 months ending July 31, and their reports of the movement of cotton now relate to the year beginning August 1. In order that the statistics of the Census Bureau may be of the greatest value for comparative purposes it is desirable to have them conform to this change, and the total quantities of cotton consumed, imported, and exported since August 1 have accordingly been shown in the monthly reports.

Respectfully,

*Sam. L. Rogers*

*Director of the Census.*

To Hon. WILLIAM C. REDFIELD,  
*Secretary of Commerce.*

# COTTON PRODUCTION IN THE UNITED STATES.

Table 1 is a comparative summary of the production of cotton and linters in the United States from 1899 to 1914, inclusive, as ascertained from the reports of ginner and delinters.

These statistics are given in running bales and in equivalent 500-pound bales, and show separately the number of upland square, upland round, sea-island, and linter bales.

TABLE 1.—COMPARATIVE SUMMARY—COTTON AND LINTER PRODUCTION: CROPS OF 1899 TO 1914.

| GROWTH YEAR. | COTTON (EXCLUSIVE OF LINTERS).                     |                                   |                |              |          |             | LINTERS.          |                                   |
|--------------|--|-----------------------------------|----------------|--------------|----------|-------------|-------------------|-----------------------------------|
|              | Running bales,<br>counting round<br>as half bales. | Equivalent<br>500-pound<br>bales. | Running bales. |              |          |             | Running<br>bales. | Equivalent<br>500-pound<br>bales. |
|              |  |                                   | Total.         | Upland.      |          | Sea-island. |                   |                                   |
|              |  |                                   |                | Square.      | Round.   |             |                   |                                   |
| 1914-----    | 15, 905, 840                                       | 16, 134, 930                      | 15, 934, 649   | 15, 795, 377 | 57, 618  | 81, 654     | 832, 401          | 856, 900                          |
| 1913-----    | 13, 982, 811                                       | 14, 156, 486                      | 14, 032, 792   | 13, 855, 267 | 99, 962  | 77, 563     | 631, 153          | 638, 881                          |
| 1912-----    | 13, 488, 539                                       | 13, 703, 421                      | 13, 529, 303   | 13, 373, 998 | 81, 528  | 73, 777     | 602, 324          | 609, 594                          |
| 1911-----    | 15, 553, 073                                       | 15, 692, 701                      | 15, 603, 850   | 15, 383, 003 | 101, 554 | 119, 293    | 556, 276          | 557, 575                          |
| 1910-----    | 11, 568, 334                                       | 11, 608, 616                      | 11, 624, 777   | 11, 421, 522 | 112, 887 | 90, 368     | 397, 628          | 397, 072                          |
| 1909-----    | 10, 072, 731                                       | 10, 004, 949                      | 10, 148, 076   | 9, 902, 595  | 150, 690 | 94, 791     | 313, 478          | 310, 433                          |
| 1908-----    | 13, 086, 005                                       | 13, 241, 799                      | 13, 207, 157   | 12, 870, 994 | 242, 305 | 93, 858     | 346, 126          | 345, 507                          |
| 1907-----    | 11, 057, 822                                       | 11, 107, 179                      | 11, 157, 096   | 10, 871, 652 | 198, 549 | 86, 895     | 268, 060          | 268, 282                          |
| 1906-----    | 12, 983, 201                                       | 13, 273, 809                      | 13, 117, 310   | 12, 791, 541 | 268, 219 | 57, 550     | 322, 064          | 321, 689                          |
| 1905-----    | 10, 495, 105                                       | 10, 575, 017                      | 10, 635, 023   | 10, 242, 648 | 279, 836 | 112, 539    | 230, 497          | 229, 539                          |
| 1904-----    | 13, 451, 337                                       | 13, 438, 012                      | 13, 599, 412   | 13, 198, 944 | 296, 151 | 104, 317    | 245, 973          | 241, 942                          |
| 1903-----    | 9, 819, 969  | 9, 851, 129                       | 10, 205, 073   | 9, 359, 472  | 770, 208 | 75, 393     | 195, 752          | 194, 486                          |
| 1902-----    | 10, 588, 250                                       | 10, 630, 945                      | 11, 078, 882   | 9, 992, 665  | 981, 264 | 104, 953    | 196, 223          | 196, 223                          |
| 1901-----    | 9, 582, 520  | 9, 509, 745                       | 9, 954, 945    | 9, 132, 215  | 744, 851 | 77, 879     | 166, 026          | 166, 026                          |
| 1900-----    | 10, 102, 102                                       | 10, 123, 027                      | 10, 486, 148   | 9, 629, 762  | 768, 092 | 88, 294     | 143, 500          | 143, 500                          |
| 1899-----    | 9, 393, 242  | 9, 345, 391                       | 9, 645, 974    | 9, 043, 231  | 505, 464 | 97, 279     | 114, 544          | 114, 544                          |

The quantity of cotton reported for the crop of 1914, counting round as half bales and excluding linters, is 15,905,840 running bales. Expressed in bales of 500 pounds gross weight, the crop amounted to 16,134,930 bales. It was the largest crop ever produced in the United States, being 442,229 bales, or 2.8 per cent, greater than that of 1911, the next largest, 1,978,444 bales, or 14 per cent greater than that of 1913, and 4,110,108 bales, or 34.2 per cent, larger than the average annual production for the entire period covered by the table. The average annual production of cotton for the first four-year period shown in the table (1899-1902) was 9,902,277 bales; for the second (1903-1906), 11,784,492 bales; for the third (1907-1910), 11,490,636 bales; and for the last (1911-1914), 14,921,884 bales. The increase in the average annual production during the

last period over that of the preceding period was 3,431,248 bales, or 29.9 per cent, and over the average of the first period, 5,019,607 bales, or 50.7 per cent.

Practically the entire production of cotton in the United States is upland, which includes a number of long-staple varieties. Only about one-half of 1 per cent of the total cotton production in 1913 was of the sea-island variety. Although the production of sea-island cotton during the period covered by the table shows variations from 57,550 running bales in 1906 to 119,293 in 1911, there has been no general tendency toward an increase or a decrease in the production of this variety.

The production of linters shows a marked increase during the period covered by the table—from 114,544 bales in 1899 to 856,900 bales in 1914. This gain is due, in part, to the increase in the production of cot-

ton, and hence of cotton seed available for delinting, and in part to the marked development of the cotton-seed-products industry, which has resulted in the reginning of an increased proportion of the total seed supply. The closer delinting of the seed for the better separation of the meat from the hulls, however, is responsible for a large part of the increase, as many mills now obtain in excess of 100 pounds of linters per ton of seed treated, whereas formerly few obtained as much as 50 pounds. Detailed information regarding cotton seed crushed and linters obtained is presented on pages 85 to 91, where are also given the results of the canvass of manufacturers for the cottonseed-products industry covering the season of 1913-14.

#### PRODUCTION BY STATES.

Table 2 shows, by states, the quantity of cotton produced from the crops of 1910 to 1914, inclusive, the percentage of the total crop represented by the crop of each state, the rank of each state according to quantity produced, and the production of linters. The production of cotton for earlier years is shown in Tables 14 and 45.

The cotton crop of 1914, as compared with that of 1913, shows a gain in each of the states presented separately in Table 2, with the exceptions of Arkansas and Mississippi. The production in Alabama and Oklahoma was the largest ever returned for these states. The crop in Florida, Georgia, South Carolina, North Carolina, and Tennessee was the largest ever reported for these states, except for 1911, while that in Texas was exceeded only in 1912, and that in Arkansas only in 1908 and 1913. Louisiana showed the largest amount ginned from a single crop since 1908.

Great variations are shown in the crops of Texas in the different years. In 1906 the production was 4,174,206 bales, while for the following year it amounted to only 2,300,179 bales. The production then rose to 3,814,485 bales in 1908, to 4,256,427 bales in 1911, and to 4,880,210 bales in 1912. The state produced 26.3 per cent of the total crop of the country in 1910, 27.1 per cent in 1911, 35.6 per cent in 1912, 27.9 per cent in 1913, and 28.3 per cent in 1914.

A large part of the increase in production of cotton in recent years has been reported from Georgia and the Carolinas. The combined production of cotton in these states in 1914 showed an increase of 695,518 bales over the previous year. Although it was still 310,687 bales short of the record crop of 1911, in these states it was 2,134,399 bales in excess of their combined production in 1906.

The production of cotton in Louisiana decreased steadily from 1906 to 1910, since which time there has been some increase. In 1906 the production of the

state amounted to 987,779 bales, while in 1910 the amount was only 245,648 bales. This rapid decline was due largely to the ravages of the boll weevil and to the consequent diversion of cotton lands to the cultivation of sugar cane, rice, and other crops. There has been a tendency to return to the cultivation of cotton in some sections of the state, and it is expected that there will be a further increase in the production. While there has been comparatively little change in the total production in Mississippi, some sections of the state, particularly in the southwestern part, show a heavy reduction on account of the boll weevil.

The Imperial Valley, in the southern part of California, is well adapted to the cultivation of cotton. This section has a very rich soil, a warm climate, a long season, and, situated as it is on a lower level than the Colorado River, the further advantage of being easily irrigated. The yield is high and the staple has length, strength, and uniformity, characteristics which are very desirable, and due, in part, to the absence of periods of drought or of excessive rains. The high cost of labor for picking cotton, however, is a drawback, while the suitability of the land for other crops undoubtedly restricts, to some extent, this culture. Cotton has been grown in this locality on a commercial basis for only a few years. There were 5,986 bales ginned in 1910, 9,790 in 1911, 8,215 in 1912, 22,838 in 1913, and 49,835 in 1914. According to estimates of the Department of Agriculture there has been a reduction in the acreage planted in cotton this year, and it is probable that the production in that state in 1915 will show a decrease.

The statistics for California include some cotton grown in Mexico (Lower California) and brought into this country to be ginned. The same conditions of soil and climate are found in the Mexican portion of the Imperial Valley as in the American, while the cost of cultivating and picking is less because of the availability of Chinese labor. According to official reports, the quantity of unginned cotton imported into the customs district of southern California during the year ending July 31, 1914, was 33,417,945 pounds. All of this cotton came from Mexico. When ginned, it produced about 23,000 bales of lint cotton.

The production of cotton in Arizona also shows a large comparative increase, 2,299 bales being returned for 1913 and 7,142 bales for 1914. The larger part of this cotton has the same characteristics as the cotton grown in Egypt, having been propagated from seed brought from that country. The cotton is grown on irrigated land and the average yield is high. The suitability of the land for growing other and possibly more remunerative crops, however, will tend to restrict cotton cultivation in this state.

## COTTON PRODUCTION IN THE UNITED STATES.

11

TABLE 2.—PRODUCTION, BY STATES, OF UPLAND AND SEA-ISLAND COTTON, WITH PERCENTAGE OF THE TOTAL CROP REPORTED FROM EACH STATE, AND RANK OF EACH STATE IN THE PRODUCTION OF COTTON; ALSO THE PRODUCTION OF LINTERS: 1910 TO 1914.

| STATE.                              | Growth year. | COTTON PRODUCED (EXCLUSIVE OF LINTERS).      |                             |            |                |            |         |             |        | Per cent of total ginned. <sup>1</sup> | Rank in production. <sup>1</sup> | LINTERS.       |                             |  |
|-------------------------------------|--------------|--|-----------------------------|------------|----------------|------------|---------|-------------|--------|--|----------------------------------|----------------|-----------------------------|--|
|                                     |              | Running bales, counting round as half bales. | Equivalent 500-pound bales. |            | Running bales. |            |         |             |        |  |                                  | Running bales. | Equivalent 500-pound bales. |  |
|                                     |              |  | Gross.                      | Net.       | Total.         | Upland.    |         | Sea-island. | Gross. |  |                                  |                | Net.                        |  |
|                                     |              |  |                             |            |                | Square.    | Round.  |             |        |  |                                  |                |                             |  |
| United States....                   | 1914         | 15,905,840                                   | 10,134,930                  | 15,437,955 | 15,934,649     | 15,795,377 | 57,618  | 81,654      | 100.0  | -----                                  | 832,401                          | 856,900        | 820,274                     |  |
|                                     | 1913         | 13,082,811                                   | 14,156,486                  | 13,544,703 | 14,032,792     | 13,855,267 | 90,092  | 77,563      | 100.0  | -----                                  | 631,153                          | 638,881        | 611,110                     |  |
|                                     | 1912         | 13,488,539                                   | 13,703,421                  | 13,113,000 | 13,520,303     | 13,373,938 | 81,528  | 73,777      | 100.0  | -----                                  | 602,324                          | 609,594        | 583,091                     |  |
|                                     | 1911         | 15,551,073                                   | 15,602,701                  | 15,012,853 | 15,603,850     | 15,383,003 | 101,554 | 119,293     | 100.0  | -----                                  | 556,276                          | 557,575        | 533,099                     |  |
|                                     | 1910         | 11,568,334                                   | 11,608,610                  | 11,103,584 | 11,624,777     | 11,421,522 | 112,887 | 90,368      | 100.0  | -----                                  | 397,628                          | 397,072        | 379,576                     |  |
| Alabama.....                        | 1914         | 1,731,751                                    | 1,751,375                   | 1,675,178  | 1,731,751      | 1,731,751  | -----   | -----       | 10.8   | 3                                      | 69,924                           | 71,182         | 68,106                      |  |
|                                     | 1913         | 1,483,669                                    | 1,495,485                   | 1,430,385  | 1,489,320      | 1,478,011  | 11,315  | -----       | 10.6   | 3                                      | 53,860                           | 53,060         | 51,590                      |  |
|                                     | 1912         | 1,328,207                                    | 1,342,275                   | 1,283,978  | 1,332,928      | 1,323,666  | 9,202   | -----       | 9.8    | 3                                      | 38,839                           | 39,161         | 37,452                      |  |
|                                     | 1911         | 1,695,284                                    | 1,710,534                   | 1,642,143  | 1,701,585      | 1,688,982  | 12,003  | -----       | 10.9   | 3                                      | 40,607                           | 40,673         | 38,884                      |  |
|                                     | 1910         | 1,192,179                                    | 1,194,250                   | 1,141,978  | 1,197,616      | 1,186,442  | 11,474  | -----       | 10.3   | 4                                      | 29,016                           | 29,035         | 27,757                      |  |
| Arkansas.....                       | 1914         | 909,237                                      | 1,016,170                   | 972,238    | 1,000,309      | 998,164    | 2,145   | -----       | 6.3    | 7                                      | 46,242                           | 48,165         | 46,130                      |  |
|                                     | 1913         | 1,038,293                                    | 1,072,846                   | 1,027,247  | 1,040,987      | 1,035,000  | 5,387   | -----       | 7.6    | 6                                      | 40,671                           | 42,049         | 40,259                      |  |
|                                     | 1912         | 702,048                                      | 702,048                     | 758,167    | 772,170        | 769,704    | 2,466   | -----       | 5.8    | 8                                      | 34,084                           | 35,106         | 33,606                      |  |
|                                     | 1911         | 908,611                                      | 939,302                     | 893,396    | 909,465        | 906,533    | 2,902   | -----       | 6.0    | 8                                      | 31,836                           | 32,994         | 31,593                      |  |
|                                     | 1910         | 798,156                                      | 821,233                     | 786,170    | 800,105        | 796,206    | 3,899   | -----       | 7.1    | 7                                      | 26,672                           | 26,641         | 25,494                      |  |
| Florida.....                        | 1914         | 90,648                                       | 81,255                      | 78,074     | 90,618         | 56,086     | -----   | 33,002      | 0.5    | 12                                     | 3,060                            | 3,219          | 3,114                       |  |
|                                     | 1913         | 66,700                                       | 58,695                      | 56,374     | 66,700         | 41,113     | -----   | 25,587      | 0.4    | 12                                     | 2,621                            | 2,409          | 2,293                       |  |
|                                     | 1912         | 58,833                                       | 52,760                      | 50,707     | 58,833         | 36,499     | -----   | 22,334      | 0.4    | 12                                     | 1,415                            | 1,283          | 1,220                       |  |
|                                     | 1911         | 94,471                                       | 83,388                      | 80,222     | 94,471         | 53,261     | -----   | 41,270      | 0.5    | 12                                     | 1,955                            | 1,693          | 1,607                       |  |
|                                     | 1910         | 67,172                                       | 58,949                      | 56,700     | 67,172         | 37,755     | -----   | 29,417      | 0.5    | 12                                     | 1,265                            | 1,100          | 1,045                       |  |
| Georgia.....                        | 1914         | 2,723,004                                    | 2,718,037                   | 2,599,238  | 2,723,004      | 2,680,009  | -----   | 42,395      | 16.8   | 2                                      | 141,478                          | 139,885        | 133,660                     |  |
|                                     | 1913         | 2,346,237                                    | 2,316,001                   | 2,214,406  | 2,346,237      | 2,302,932  | -----   | 43,305      | 16.4   | 2                                      | 110,629                          | 108,799        | 103,931                     |  |
|                                     | 1912         | 1,812,778                                    | 1,776,546                   | 1,697,833  | 1,812,778      | 1,769,012  | -----   | 43,736      | 13.0   | 2                                      | 76,185                           | 74,909         | 71,557                      |  |
|                                     | 1911         | 2,794,295                                    | 2,768,027                   | 2,647,428  | 2,794,295      | 2,721,391  | -----   | 72,904      | 17.6   | 2                                      | 80,313                           | 77,172         | 73,638                      |  |
|                                     | 1910         | 1,812,178                                    | 1,767,202                   | 1,688,616  | 1,812,178      | 1,764,243  | -----   | 47,935      | 15.2   | 2                                      | 55,737                           | 53,408         | 50,956                      |  |
| Louisiana.....                      | 1914         | 452,201                                      | 449,458                     | 429,578    | 452,852        | 451,670    | 1,182   | -----       | 2.8    | 9                                      | 24,680                           | 25,851         | 24,765                      |  |
|                                     | 1913         | 436,865                                      | 443,821                     | 421,627    | 437,729        | 436,000    | 1,720   | -----       | 3.1    | 9                                      | 21,823                           | 22,368         | 21,408                      |  |
|                                     | 1912         | 374,703                                      | 376,096                     | 359,625    | 375,303        | 374,187    | 1,212   | -----       | 2.7    | 9                                      | 17,927                           | 18,398         | 17,609                      |  |
|                                     | 1911         | 380,820                                      | 384,507                     | 367,873    | 381,850        | 379,704    | 2,095   | -----       | 2.5    | 10                                     | 18,592                           | 18,885         | 18,067                      |  |
|                                     | 1910         | 246,788                                      | 245,618                     | 234,817    | 248,593        | 244,981    | 3,609   | -----       | 2.1    | 10                                     | 9,587                            | 10,085         | 9,663                       |  |
| Mississippi.....                    | 1914         | 1,217,883                                    | 1,245,535                   | 1,191,919  | 1,217,883      | 1,217,883  | -----   | -----       | 7.7    | 6                                      | 78,781                           | 83,730         | 80,264                      |  |
|                                     | 1913         | 1,251,841                                    | 1,310,749                   | 1,255,062  | 1,251,841      | 1,251,841  | -----   | -----       | 9.2    | 5                                      | 60,766                           | 64,658         | 61,985                      |  |
|                                     | 1912         | 1,004,376                                    | 1,046,418                   | 1,002,225  | 1,004,376      | 1,004,376  | -----   | -----       | 7.6    | 5                                      | 45,228                           | 47,881         | 45,891                      |  |
|                                     | 1911         | 1,199,060                                    | 1,203,615                   | 1,132,106  | 1,199,060      | 1,199,060  | -----   | -----       | 7.7    | 5                                      | 46,718                           | 48,777         | 46,721                      |  |
|                                     | 1910         | 1,212,104                                    | 1,202,680                   | 1,209,347  | 1,212,104      | 1,212,401  | -----   | -----       | 10.9   | 3                                      | 42,315                           | 43,988         | 42,126                      |  |
| Missouri.....                       | 1914         | 78,409                                       | 81,752                      | 78,302     | 78,409         | 78,409     | -----   | -----       | 0.5    | 11                                     | 4,062                            | 4,401          | 4,222                       |  |
|                                     | 1913         | 63,761                                       | 67,105                      | 61,300     | 63,761         | 63,761     | -----   | -----       | 0.5    | 11                                     | 3,399                            | 3,538          | 3,389                       |  |
|                                     | 1912         | 53,538                                       | 55,091                      | 53,336     | 53,538         | 53,538     | -----   | -----       | 0.4    | 11                                     | 2,433                            | 2,529          | 2,422                       |  |
|                                     | 1911         | 91,119                                       | 96,808                      | 92,799     | 91,119         | 91,119     | -----   | -----       | 0.6    | 11                                     | 4,217                            | 4,381          | 4,195                       |  |
|                                     | 1910         | 58,822                                       | 59,633                      | 57,050     | 58,969         | 58,674     | 295     | -----       | 0.5    | 11                                     | 2,444                            | 2,526          | 2,418                       |  |
| North Carolina.....                 | 1914         | 970,479                                      | 930,631                     | 887,930    | 970,479        | 970,479    | -----   | -----       | 5.8    | 8                                      | 45,497                           | 44,781         | 42,782                      |  |
|                                     | 1913         | 837,905                                      | 792,515                     | 755,673    | 837,905        | 837,905    | -----   | -----       | 5.0    | 8                                      | 34,998                           | 33,321         | 31,781                      |  |
|                                     | 1912         | 906,351                                      | 865,653                     | 825,774    | 906,351        | 906,351    | -----   | -----       | 6.3    | 7                                      | 28,729                           | 26,929         | 25,605                      |  |
|                                     | 1911         | 1,126,270                                    | 1,075,826                   | 1,026,270  | 1,126,270      | 1,126,270  | -----   | -----       | 6.9    | 6                                      | 30,131                           | 28,955         | 27,620                      |  |
|                                     | 1910         | 753,087                                      | 709,142                     | 673,006    | 753,087        | 753,087    | -----   | -----       | 6.1    | 8                                      | 21,665                           | 20,708         | 19,754                      |  |
| Oklahoma.....                       | 1914         | 1,232,088                                    | 1,262,176                   | 1,208,525  | 1,250,921      | 1,214,355  | 36,566  | -----       | 7.8    | 5                                      | 68,920                           | 74,781         | 71,748                      |  |
|                                     | 1913         | 812,499                                      | 840,387                     | 803,974    | 893,018        | 821,081    | 41,037  | -----       | 5.9    | 7                                      | 38,536                           | 40,867         | 39,171                      |  |
|                                     | 1912         | 1,005,109                                    | 1,021,250                   | 977,722    | 1,026,830      | 983,327    | 43,503  | -----       | 7.5    | 6                                      | 52,016                           | 54,557         | 52,569                      |  |
|                                     | 1911         | 1,016,538                                    | 1,022,032                   | 977,972    | 1,035,537      | 997,539    | 37,998  | -----       | 6.5    | 7                                      | 39,240                           | 40,830         | 39,103                      |  |
|                                     | 1910         | 919,842                                      | 923,003                     | 883,044    | 934,019        | 905,005    | 28,354  | -----       | 7.9    | 6                                      | 36,109                           | 35,892         | 34,303                      |  |
| South Carolina.....                 | 1914         | 1,560,195                                    | 1,533,810                   | 1,465,295  | 1,560,195      | 1,551,598  | -----   | 5,557       | 0.5    | 4                                      | 58,416                           | 57,243         | 54,673                      |  |
|                                     | 1913         | 1,418,704                                    | 1,377,814                   | 1,315,599  | 1,418,704      | 1,410,033  | -----   | 8,071       | 0.7    | 4                                      | 40,580                           | 45,016         | 42,963                      |  |
|                                     | 1912         | 1,224,245                                    | 1,182,128                   | 1,128,446  | 1,224,245      | 1,210,538  | -----   | 7,707       | 8.6    | 4                                      | 35,517                           | 34,131         | 32,569                      |  |
|                                     | 1911         | 1,092,146                                    | 1,018,712                   | 1,574,379  | 1,802,146      | 1,687,027  | -----   | 5,119       | 10.5   | 4                                      | 36,980                           | 35,384         | 33,757                      |  |
|                                     | 1910         | 1,210,988                                    | 1,163,501                   | 1,110,530  | 1,210,988      | 1,107,932  | -----   | 13,016      | 10.0   | 5                                      | 29,572                           | 28,428         | 27,127                      |  |
| Tennessee.....                      | 1914         | 372,068                                      | 383,517                     | 367,146    | 372,068        | 372,038    | -----   | -----       | 2.4    | 10                                     | 41,601                           | 43,004         | 42,073                      |  |
|                                     | 1913         | 366,786                                      | 379,471                     | 363,332    | 366,786        | 366,783    | -----   | -----       | 2.7    | 10                                     | 34,671                           | 35,739         | 34,214                      |  |
|                                     | 1912         | 267,439                                      | 276,546                     | 264,778    | 267,439        | 267,439    | -----   | -----       | 2.0    | 10                                     | 22,292                           | 23,247         | 22,206                      |  |
|                                     | 1911         | 430,027                                      | 449,737                     | 430,816    | 430,027        | 430,027    | -----   | -----       | 2.9    | 9                                      | 28,815                           | 29,408         | 28,141                      |  |
|                                     | 1910         | 321,103                                      | 331,947                     | 317,819    | 321,103        | 321,103    | -----   | -----       | 2.9    | 9                                      | 16,493                           | 17,529         | 16,803                      |  |
| Texas.....                          | 1914         | 4,390,200                                    | 4,502,112                   | 4,399,227  | 4,399,063      | 4,381,338  | 17,725  | -----       | 28.5   | 1                                      | 238,395                          | 248,027        | 237,538                     |  |
|                                     | 1913         | 3,773,024                                    | 3,944,970                   | 3,779,605  | 3,793,271      | 3,752,777  | 40,494  | -----       | 27.9   | 1                                      | 176,202                          | 179,528        | 171,772                     |  |
|                                     | 1912         | 4,045,309                                    | 4,880,210                   | 4,676,217  | 4,657,822      | 4,632,797  | 25,025  | -----       | 35.0   | 1                                      | 213,314                          | 246,635        | 235,932                     |  |
|                                     | 1911         | 4,107,152                                    | 4,256,427                   | 4,076,448  | 4,130,145      | 4,084,159  | 45,986  | -----       | 27.1   | 1                                      | 180,006                          | 191,221        | 182,853                     |  |
|                                     | 1910         | 2,949,968                                    | 3,049,409                   | 2,920,655  | 2,982,596      | 2,917,340  | 65,256  | -----       | 26.3   | 1                                      | 122,904                          | 123,079        | 117,669                     |  |
| Virginia.....                       | 1914         | 25,277                                       | 25,222                      | 24,110     | 25,277         | 25,277     | -----   | -----       | 0.2    | 13                                     | -----                            | -----          | -----                       |  |
|                                     | 1913         | 24,569                                       | 23,490                      | 22,409     | 24,569         | 24,569     | -----   | -----       | 0.2    | 13                                     | -----                            | -----          | -----                       |  |
|                                     | 1912         | 25,499                                       | 24,398                      | 23,276     | 25,499         | 25,499     | -----   | -----       | 0.2    | 13                                     | -----                            | -----          | -----                       |  |
|                                     | 1911         | 31,099                                       | 29,891                      | 28,523     | 31,099         | 31,099     | -----   | -----       | 0.2    | 13                                     | -----                            | -----          | -----                       |  |
|                                     | 1910         | 16,095                                       | 14,815                      | 14,107     | 16,095         | 16,095     | -----   | -----       | 0.1    | 13                                     | -----                            | -----          | -----                       |  |
| All other states <sup>2</sup> ..... | 1914         | 61,700                                       | 63,880                      | 61,165     | 61,700         | 61,700     | -----   | -----       | 0.4    | -----                                  | 11,327                           | 11,698         | 11,999                      |  |
|                                     | 1913         | 31,868                                       | 32,513                      | 31,110     | 31,868         | 31,868     | -----   | -----       | 0.2    | -----                                  | 6,307                            | 6,632          | 6,351                       |  |
|                                     | 1912         | 11,035                                       | 11,402                      | 10,916     | 11,035         | 11,035     | -----   | -----       | 0.1    | -----                                  | 4,345                            | 4,525          | 4,333                       |  |
|                                     | 1911         | 16,760                                       | 17,215                      | 16,478     | 16,760         | 16,760     | -----   | -----       | 0.1    | -----                                  | 6,687                            | 7,202          | 6,908                       |  |
|                                     | 1910         | 9,872  | 10,144                      | 9,709      | 9,872          | 9,872      | -----   | -----       | 0.1    | -----                                  | 4,359                            | 4,653          | 4,461                       |  |

<sup>1</sup> Based on equivalent 500-pound bales, excluding linters.<sup>2</sup> Includes Arizona, California, Kansas, Kentucky, and New Mexico, and the linter production of Illinois.

## "BOLLY COTTON."

At the close of each cotton season more or less cotton is damaged by frost, and the bolls do not open fully. Formerly this cotton was considered worthless and no attempt was made to save it. The high price of cotton in recent years, however, has resulted in the devising of machinery for handling unopened bolls. These machines thrash out the seed cotton, after which it is passed to the gins, where it is treated in the same way as hand-picked seed cotton. The quantity of this cotton, usually called "bollies," is increasing, many establishments, particularly in the western part of the cotton belt, having installed the necessary machinery for treating it.

Because of the difficulty and expense of getting cotton picked late in the season, many growers deem it preferable at the last picking to snap the opened and partially opened bolls with the unopened ones and send all through the same machinery. While the grade, and consequently the price, of a portion of this mixed cotton is lowered, the loss on this account is practically balanced by the margin of expense saved by the easier method of gathering. This cotton is sometimes, though not uniformly, classed as "bollies." Nearly all of this snapped cotton is produced in Texas and Oklahoma. The winds prevailing in these states dry out the cotton in the unopened frost-bitten bolls, but in sections where the rainfall is greater the bolls rot and the cotton becomes worthless.

## CONDITIONS AFFECTING THE CROP IN 1914.

Conditions to some extent unfavorable to the preparation of the soil and the planting of the crop existed in about two-thirds of the cotton-growing area. From the beginning of the year to the end of the planting season the eastern states, particularly Alabama, Georgia, and the Carolinas, were abnormally dry, and the western states—Texas, Oklahoma, and Arkansas—abnormally wet. Notwithstanding these conditions the acreage was but little less than that planted the previous season, although under the circumstances a considerable decrease would not have been surprising. Some relief from the extremes of weather conditions began to be felt early in June, when refreshing showers fell in the dry districts and the excessive rains in the west ceased. In a few weeks it began to be feared that parts of Texas and Oklahoma would be damaged as much by drought as had been threatened by too much precipitation. But this danger passed. The situation in the east gradually developed from very poor to very bright prospects, so far as yield was concerned. At no time did the rainfall in the eastern states amount to normal, but the showers were so timely in recurrence and so well distributed that the promise of a poor yield was converted into the realization of one of the largest crops ever produced. Climatic conditions affecting the matured crop and the gathering of it were upon the whole favorable. No killing frost occurred until late in October.

The financial depression and consequent fall in the price of cotton which followed the outbreak of the European war caused great loss to the producers of cotton and operated to make the movement of the crop during the early part of the season very slow.

## COTTON INSECT PESTS IN 1914.

The cotton crop of 1914, in general, was less seriously affected by insect pests than for some years previous. The extremely early frosts of 1913 killed the boll weevil in an area averaging about 20 miles in width around the outside of the entire infested area. However, conditions during the season favored the spread of the pest, and some new territory was infested.

As a result of the general dissemination of information by Federal and state departments of agriculture, the destructiveness of the boll weevil is being somewhat reduced. By seed selection, plant improvement, and better methods of cultivation and fertilization, the development of the cotton plant may be so advanced before the activities of the weevil begin as to curtail very materially the damage that may be done by it.

The pink boll worm has caused great damage to Egyptian cotton within recent years. This pest was imported into Egypt from India and appears to be very injurious to all varieties of cotton. Because of the discovery of live pink boll worms in recent importations of cotton seed intended for planting and of raw cotton intended for spinning, rigid quarantine measures have been established for the safeguarding of the culture in this country. This quarantine applies also to cotton seed produced in certain portions of Mexico and in some other countries infested by cotton pests of various kinds.

The Department of Agriculture has issued a regulation requiring that, after February 1, 1916, all imports of raw cotton must be fumigated at the port of entry. The purpose of this is to make certain that the pink boll worm, found in Egyptian and other imported cotton, as well as other destructive insects, shall not be introduced into the American cotton fields.

For the following statement concerning the status of the boll weevil and other insect pests which affect cotton in the United States, this office is indebted to the Bureau of Entomology of the Department of Agriculture:

*The boll weevil.*—The cotton-boll weevil began the season of 1914 considerably reduced in numbers and with a loss of territory around the limits of its infestation. The hot, dry weather of the early season further reduced the numbers of the weevils. The heavy rains which followed in Alabama and Florida brought about a complete recovery. In other sections the defoliation by leaf worm almost entirely eliminated the late fall food supply of the weevils and caused many to starve, while the dispersion was greatly scattered. All territory lost during the winter was regained and new territory added. The season was brought to a close by freezing weather in the last week of October.

The territory invaded for the first time in 1914 included 15,800 square miles, which was not counteracted by losses in any section. The total area now infested is 312,300 square miles.

*The cotton caterpillar.*—The caterpillars were not quite as numerous as in the previous years, but they caused a general defoliation of all sections except south Georgia, Florida, and South Carolina.

*Other injurious cotton insects.*—Much damage was done to cotton in Mississippi and Alabama by sucking bugs. Red-spider injury was not of great importance.

*Pink boll worm.*—The careful inspection of Egyptian cotton bales received in this country resulted in the finding of a few live worms. This has resulted in very rigid quarantine measures aimed at preventing the introduction of this important pest.

## COTTON AND LINTERS REMAINING TO BE GINNED.

The special agents who are regularly employed by this bureau to collect statistics of the production, consumption, and stocks of cotton and linters were required at the March or final canvass of ginneries to obtain an estimate from each ginner of the number of bales of cotton remaining to be ginned and from each cottonseed-oil mill of the number of bales of linters to be obtained by reginning cotton seed after the date of the canvass. These amounts, which are included in the total production for the crop year, are shown separately, by states, in Table 3 for the crops of 1912, 1913, and 1914:

TABLE 3.—COTTON TO BE GINNED AND LINTERS TO BE OBTAINED AFTER THE MARCH CANVASS, BY STATES: 1912 TO 1914.

| STATE.                | COTTON AND LINTERS TO BE GINNED AFTER THE MARCH CANVASS (RUNNING BALES, COUNTING ROUND AS HALF BALES). |        |        |                   |        |        |
|-----------------------|--|--------|--------|-------------------|--------|--------|
|                       | Cotton, crop of—   |        |        | Linters, crop of— |        |        |
|                       | 1914   | 1913   | 1912   | 1914              | 1913   | 1912   |
| United States.....    | 121,528  | 20,267 | 51,804 | 95,360            | 56,803 | 74,882 |
| Alabama.....          | 6,543  | 504    | 1,192  | 8,002             | 4,702  | 2,507  |
| Arkansas.....         | 7,689  | 5,809  | 3,553  | 3,636             | 3,594  | 4,107  |
| Florida.....          | 64   | 15     | 44     | 83                | 66     | .....  |
| Georgia.....          | 13,797   | 1,684  | 1,555  | 18,859            | 13,913 | 6,892  |
| Louisiana.....        | 2,414  | 668    | 191    | 1,772             | 2,057  | 2,794  |
| Mississippi.....      | 17,806   | 4,002  | 11,031 | 6,780             | 8,172  | 5,443  |
| North Carolina.....   | 20,008   | 7,758  | 3,072  | 7,550             | 5,773  | 4,656  |
| Oklahoma.....         | 10,216   | 362    | 6,167  | 8,155             | 586    | 7,026  |
| South Carolina.....   | 15,336   | 3,382  | 1,872  | 8,024             | 5,500  | 3,359  |
| Tennessee.....        | 3,660  | 933    | 1,791  | 3,523             | 4,274  | 1,637  |
| Texas.....            | 20,609   | 2,365  | 20,688 | 26,931            | 7,062  | 35,193 |
| All other states..... | 3,386  | 1,755  | 768    | 2,040             | 1,068  | 553    |

The quantity of cotton from the crop of 1914 which the ginneries stated would be ginned after the date of the March canvass was 121,528 bales. This is the largest amount reported for any year covered by the table but is only slightly more than half the quantity returned for 1911. In view of the size of the crop and the peculiar conditions existing in the cotton market, the amount is very much smaller than would naturally be expected. The quantity of linters remaining to be obtained by the oil mills, 95,360 bales, is also larger than for the earlier years shown in the table. Because of the very large quantity of seed estimated as remaining to be crushed after the March canvass, it was decided to ask the oil mills for a report after the close of the crushing season. Accordingly, another canvass of these establishments was made in June, and the total production of linters for the season shown in Tables 1 and 2 is the result obtained from this later canvass.

## PERIODICAL COTTON REPORTS.

During the season of 1915-16, as heretofore, practically semimonthly reports of cotton ginned will be issued. The dates to which the statistics of these reports will relate and the dates on which they are expected to be published are presented in the following schedule.

The statistics in these reports show conditions at the close of business on the days to which the reports

relate. For every report the canvassing agents are given approximately one week in which to visit the ginneries and secure the returns. Summaries showing the number of bales ginned to a specified date are telegraphed to the bureau on the last day of the canvass. On the following morning these summaries are added and the results given to the public at 10 o'clock.

## GINNING REPORTS TO BE ISSUED DURING THE SEASON OF 1915-16.

| REPORT NO. | Date to which report relates (close of business). | Date of publication (10 a. m.). |
|------------|---|---------------------------------|
| 1.....     | Aug. 31   | Sept. 8                         |
| 2.....     | Sept. 24  | Oct. 2                          |
| 3.....     | Oct. 17   | Oct. 25                         |
| 4.....     | Oct. 31   | Nov. 8                          |
| 5.....     | Nov. 13   | Nov. 22                         |
| 6.....     | Nov. 30   | Dec. 8                          |
| 7.....     | Dec. 12   | Dec. 20                         |
| 8.....     | Dec. 31   | Jan. 10                         |
| 9.....     | Jan. 15   | Jan. 24                         |
| 10.....    | Feb. 28   | Mar. 20                         |

At the time of telegraphing the summaries the agents are required to mail the individual returns of the ginneries which they have collected and used in preparing these summaries. This method affords a valuable check on the statistics of the report, as the returns are examined and added in the bureau and necessary revisions made in the figures of the published preliminary reports.

Three reports of cotton seed crushed and linters produced will be made during the season, showing quantities to December 1, to January 1, and for the crop. These reports will be forwarded to the bureau by mail, and the results will be published about the 16th of the month.

There will also be monthly reports of cotton consumed, imported, exported, and on hand, and of active consuming cotton spindles. Each of these will relate to a calendar month and will be published about the 14th of the succeeding month. The data for these reports are gathered in the cotton-growing states by the local agents of the bureau who collect the ginning reports. In all other states the data are secured by correspondence and, when necessary, by special agents detailed from the bureau.

## DISTRIBUTION OF REPORTS.

Within a few hours after the information has been made public all preliminary reports are printed on preaddressed cards and mailed to all ginneries, manufacturers, warehousemen, and cottonseed-oil manufacturers, and to all other persons who have requested them. This method of using preaddressed post cards permits a more rapid distribution than would otherwise be possible. Newspapers are furnished with county totals of cotton ginned, thus providing interesting and valuable information to those most directly concerned. In addition, postmasters are provided with large cards showing the quantity of cotton ginned to each report date and instructed to post them in conspicuous places.



## COTTON GINNED TO SPECIFIED DATES.

The collection of statistics of cotton ginned to specified dates was designed to place in the possession of all concerned reliable data as to the rapidity with which the cotton crop is being harvested and ginned. Statistics compiled by this method have, after a series of years, an incidental but very considerable value by reason of the deductions made possible by a careful comparison of current reports with those of previous years. The collection of data of this character was inaugurated in 1902. Three reports were made for that crop, six each for the crops of 1903 and 1904, and ten for each crop since. Table 4 shows the quantity of cotton ginned to specified dates from the crops of 1902 to 1914, inclusive, and the percentage of the crop ginned

to each report date. As it is not practicable, before the close of the season, to express in equivalent 500-pound bales statistics of the quantity of cotton ginned, the amounts in Table 4 are in running bales, counting round as half bales and excluding linters, and the total amounts for the seasons as thus obtained are used as the bases for the percentages shown in the table.

The quantity of cotton ginned from the crop of 1914 prior to September 1 was 480,317 bales, a much smaller number than for any of the three preceding years. Almost one-half of the total crop was ginned prior to October 18. By November 14 almost three-fourths of the crop had been ginned. This is practically the same as the average for the years shown in the table, the highest percentage (80.5) being shown for 1909 and the lowest (65.9) for 1906.

TABLE 4.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, AND PER CENT OF TOTAL GINNED TO EACH DATE: 1902 TO 1914.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

| GROWTH YEAR. | COTTON GINNED TO—  |           |           |           |            |            |            |            |            | Total<br>ginned. |
|--------------|--------------------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------------|
|              | Sept. 1.           | Sept. 25. | Oct. 18.  | Nov. 1.   | Nov. 14.   | Dec. 1.    | Dec. 13.   | Jan. 1.    | Jan. 16.   |                  |
|              | QUANTITY (BALES).  |           |           |           |            |            |            |            |            |                  |
| 1914.....    | 480,317            | 3,393,752 | 7,610,747 | 9,826,912 | 11,668,240 | 13,073,386 | 13,972,229 | 14,443,146 | 14,015,850 | 15,605,840       |
| 1913.....    | 799,099            | 3,246,655 | 6,973,518 | 8,830,396 | 10,444,520 | 12,088,412 | 12,927,428 | 13,347,721 | 13,582,036 | 13,982,811       |
| 1912.....    | 730,884            | 3,067,271 | 6,874,206 | 8,869,222 | 10,260,646 | 11,854,541 | 12,430,036 | 12,907,405 | 13,088,930 | 13,488,539       |
| 1911.....    | 771,207            | 3,676,594 | 7,758,621 | 9,970,905 | 11,313,236 | 12,816,807 | 13,770,727 | 14,317,002 | 14,515,799 | 15,553,073       |
| 1910.....    | 353,011            | 2,312,074 | 5,423,623 | 7,345,953 | 8,780,483  | 10,130,712 | 10,605,443 | 11,084,515 | 11,253,147 | 11,568,334       |
| 1909.....    | 388,242            | 2,568,150 | 5,530,967 | 7,017,849 | 8,112,199  | 8,876,886  | 9,355,085  | 9,647,327  | 9,787,592  | 10,072,731       |
| 1908.....    | 402,220            | 2,590,639 | 6,296,166 | 8,191,557 | 9,595,809  | 11,008,661 | 11,904,269 | 12,465,298 | 12,666,203 | 13,086,005       |
| 1907.....    | 200,278            | 1,532,602 | 4,420,258 | 6,128,562 | 7,300,665  | 8,343,396  | 9,284,070  | 9,951,505  | 10,339,551 | 11,057,822       |
| 1906.....    | 407,551            | 2,057,283 | 4,031,621 | 6,906,395 | 8,562,242  | 10,027,868 | 11,112,789 | 11,741,039 | 12,176,199 | 12,983,201       |
| 1905.....    | 470,655            | 2,355,716 | 4,990,566 | 6,457,595 | 7,501,189  | 8,689,663  | 9,297,819  | 9,725,428  | 9,989,634  | 10,495,105       |
| 1904.....    | 374,821            | .....     | 6,417,894 | .....     | 9,786,646  | .....      | 11,971,477 | .....      | 12,767,600 | 13,451,337       |
| 1903.....    | 17,302             | .....     | 3,706,248 | .....     | 6,815,162  | .....      | 8,526,244  | .....      | 9,819,960  | 10,588,250       |
| 1902.....    | .....              | .....     | 5,683,006 | .....     | .....      | .....      | 8,905,505  | .....      | .....      | .....            |
|              | PER CENT OF TOTAL. |           |           |           |            |            |            |            |            |                  |
| 1914.....    | 3.0                | 21.3      | 47.9      | 61.8      | 73.4       | 82.2       | 87.8       | 90.8       | 93.8       | 100.0            |
| 1913.....    | 5.7                | 23.2      | 49.9      | 63.2      | 74.7       | 86.5       | 92.5       | 95.5       | 97.1       | 100.0            |
| 1912.....    | 5.4                | 22.3      | 51.0      | 66.8      | 76.4       | 87.9       | 92.2       | 95.7       | 97.0       | 100.0            |
| 1911.....    | 5.0                | 23.6      | 49.9      | 64.1      | 72.7       | 82.4       | 88.5       | 92.1       | 93.3       | 100.0            |
| 1910.....    | 3.1                | 20.0      | 46.9      | 63.5      | 75.9       | 87.7       | 92.5       | 95.8       | 97.3       | 100.0            |
| 1909.....    | 3.9                | 25.5      | 54.9      | 69.7      | 80.5       | 88.1       | 92.9       | 95.8       | 97.2       | 100.0            |
| 1908.....    | 3.1                | 19.8      | 48.1      | 62.6      | 73.3       | 84.1       | 91.0       | 95.3       | 96.8       | 100.0            |
| 1907.....    | 1.8                | 13.9      | 40.0      | 55.4      | 66.0       | 75.5       | 84.0       | 90.0       | 93.5       | 100.0            |
| 1906.....    | 3.1                | 15.8      | 33.0      | 53.2      | 65.9       | 77.2       | 85.6       | 90.4       | 93.8       | 100.0            |
| 1905.....    | 4.5                | 22.4      | 47.6      | 61.5      | 71.5       | 82.8       | 88.6       | 92.7       | 95.2       | 100.0            |
| 1904.....    | 2.8                | .....     | 47.7      | .....     | 72.8       | .....      | 89.0       | .....      | 94.9       | 100.0            |
| 1903.....    | 0.2                | .....     | 37.7      | .....     | 69.4       | .....      | 86.8       | .....      | 96.6       | 100.0            |
| 1902.....    | .....              | .....     | 53.7      | .....     | .....      | .....      | 84.1       | .....      | .....      | .....            |

Data as to sea-island cotton ginned to specified dates are presented in Table 11 (p. 23), and similar data as to cotton put up in round bales are given in the following statement for the crops of 1909 to 1913:

NUMBER OF ROUND BALES INCLUDED IN REPORTS OF COTTON GINNED TO SPECIFIED DATES: 1909 TO 1914.

| SPECIFIED DATE. | ROUND BALES GINNED TO SPECIFIED DATES: CROP OF— |        |        |         |         |         |
|-----------------|---|--------|--------|---------|---------|---------|
|                 | 1914  | 1913   | 1912   | 1911    | 1910    | 1909    |
| Sept. 1.....    | 356   | 7,610  | 7,434  | 7,709   | 10,976  | 11,587  |
| Sept. 25.....   | 3,394   | 26,988 | 19,574 | 27,918  | 33,026  | 48,070  |
| Oct. 18.....    | 15,235  | 49,030 | 41,745 | 53,858  | 66,183  | 88,716  |
| Nov. 1.....     | 23,182  | 61,577 | 54,539 | 68,313  | 81,183  | 109,621 |
| Nov. 14.....    | 31,904  | 74,107 | 62,768 | 75,963  | 93,364  | 123,757 |
| Dec. 1.....     | 39,682  | 86,878 | 73,030 | 87,896  | 101,718 | 134,393 |
| Dec. 13.....    | 42,795  | 91,686 | 75,772 | 92,790  | 106,486 | 140,024 |
| Jan. 1.....     | 44,004  | 94,265 | 77,999 | 96,227  | 109,292 | 143,949 |
| Jan. 16.....    | 50,942  | 96,807 | 78,690 | 97,654  | 111,079 | 146,378 |
| Total.....      | 57,618  | 99,962 | 81,528 | 101,554 | 112,887 | 150,690 |

Ginnings to specified dates, by states and by counties.—The quantity of cotton ginned to given dates from the crops of 1908 to 1914, and the percentage of the

crop ginned to each of the report dates, are shown, by states, in Tables 5 and 6. Considerable differences exist among the several states in the proportion of the total amount ginned to the specified dates. For instance, more than three-fifths of the total crop of Texas had been ginned by October 18, while Tennessee showed only a little more than one-fourth.

The quantity of cotton from the crop of 1914 ginned to each of the report dates is given by counties in Table 18 (pp. 44 to 53). This table permits a close study of the rapidity with which cotton is ginned in various localities and enables the making of analyses which are both interesting and valuable. An examination of the table shows that in a number of counties in southern Texas a large part of the crop is harvested and ginned prior to September 1, and that by September 25 about 75 per cent of the crop is ginned, a few of the counties in the extreme southern part practically completing the cotton harvest by November 1.

TABLE 5.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY STATES: 1908 TO 1914.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

| STATE.              | Growth year. | COTTON GINNED TO— |           |           |           |            |            |            |            |            |            | Total. |
|---------------------|--------------|-------------------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|--------|
|                     |              | Sept. 1.          | Sept. 25. | Oct. 18.  | Nov. 1.   | Nov. 14.   | Dec. 1.    | Dec. 13.   | Jan. 1.    | Jan. 16.   |            |        |
| United States.....  | 1914         | 480,317           | 3,393,752 | 7,619,747 | 9,826,912 | 11,668,240 | 13,073,386 | 13,972,229 | 14,443,146 | 14,915,850 | 15,905,840 |        |
|                     | 1913         | 799,099           | 3,246,655 | 6,973,518 | 8,830,396 | 10,444,529 | 12,088,412 | 12,927,428 | 13,347,721 | 13,582,086 | 13,982,811 |        |
|                     | 1912         | 730,884           | 3,007,271 | 6,874,206 | 8,869,222 | 10,299,646 | 11,854,541 | 12,439,036 | 12,907,405 | 13,088,930 | 13,488,539 |        |
|                     | 1911         | 771,297           | 3,676,594 | 7,758,621 | 9,970,905 | 11,313,236 | 12,816,807 | 13,770,727 | 14,317,002 | 14,515,799 | 15,553,073 |        |
|                     | 1910         | 353,011           | 2,312,074 | 5,423,628 | 7,345,953 | 8,780,433  | 10,139,712 | 10,695,443 | 11,084,515 | 11,253,147 | 11,568,334 |        |
|                     | 1909         | 388,242           | 2,568,150 | 5,530,967 | 7,017,849 | 8,112,199  | 8,876,886  | 9,358,085  | 9,647,327  | 9,787,592  | 10,072,731 |        |
|                     | 1908         | 402,229           | 2,590,639 | 6,296,166 | 8,191,557 | 9,595,809  | 11,008,661 | 11,904,269 | 12,465,298 | 12,666,203 | 13,086,005 |        |
| Alabama.....        | 1914         | 46,241            | 392,217   | 810,295   | 1,068,771 | 1,270,450  | 1,439,556  | 1,573,140  | 1,638,648  | 1,676,349  | 1,731,751  |        |
|                     | 1913         | 44,562            | 325,735   | 839,899   | 1,015,788 | 1,181,232  | 1,365,245  | 1,444,212  | 1,467,883  | 1,475,154  | 1,483,660  |        |
|                     | 1912         | 12,824            | 192,310   | 591,954   | 809,062   | 961,313    | 1,161,482  | 1,234,755  | 1,289,227  | 1,307,736  | 1,328,297  |        |
|                     | 1911         | 40,501            | 360,244   | 838,617   | 1,088,737 | 1,239,211  | 1,430,076  | 1,561,136  | 1,618,510  | 1,638,699  | 1,695,284  |        |
|                     | 1910         | 4,196             | 201,488   | 525,226   | 748,878   | 895,894    | 1,063,498  | 1,128,470  | 1,162,728  | 1,174,122  | 1,192,179  |        |
|                     | 1909         | 13,535            | 187,832   | 512,323   | 676,331   | 805,849    | 917,406    | 987,254    | 1,017,460  | 1,026,869  | 1,040,137  |        |
|                     | 1908         | 26,298            | 316,349   | 694,104   | 891,667   | 1,020,724  | 1,175,629  | 1,265,953  | 1,302,338  | 1,316,803  | 1,332,003  |        |
| Arkansas.....       | 1914         | 521               | 99,347    | 397,261   | 573,571   | 738,853    | 840,295    | 893,965    | 913,324    | 941,426    | 999,237    |        |
|                     | 1913         | 1,293             | 70,086    | 322,181   | 431,522   | 606,388    | 789,937    | 885,979    | 933,913    | 967,687    | 1,038,293  |        |
|                     | 1912         | 81                | 41,438    | 300,351   | 440,482   | 547,044    | 659,505    | 703,329    | 732,118    | 741,282    | 770,937    |        |
|                     | 1911         | 170               | 43,626    | 278,238   | 444,401   | 563,115    | 680,434    | 746,802    | 786,329    | 797,597    | 908,014    |        |
|                     | 1910         | 28                | 22,319    | 161,363   | 324,769   | 479,122    | 625,226    | 676,259    | 724,100    | 747,326    | 798,156    |        |
|                     | 1909         | 449               | 83,926    | 330,884   | 472,252   | 557,857    | 613,939    | 642,322    | 657,357    | 664,522    | 697,603    |        |
|                     | 1908         | 323               | 80,465    | 347,468   | 536,785   | 665,232    | 776,461    | 847,312    | 910,423    | 931,133    | 996,093    |        |
| Florida.....        | 1914         | 5,214             | 25,579    | 43,313    | 56,645    | 65,903     | 72,902     | 80,909     | 85,705     | 88,131     | 90,648     |        |
|                     | 1913         | 2,960             | 16,367    | 35,956    | 47,315    | 53,217     | 58,485     | 63,082     | 65,299     | 65,765     | 66,706     |        |
|                     | 1912         | 1,832             | 9,770     | 23,575    | 35,362    | 42,263     | 48,630     | 52,895     | 56,042     | 57,324     | 58,833     |        |
|                     | 1911         | 3,796             | 21,510    | 43,009    | 56,070    | 65,236     | 74,050     | 81,952     | 86,421     | 88,177     | 94,471     |        |
|                     | 1910         | 608               | 11,252    | 27,238    | 38,924    | 46,847     | 54,396     | 60,082     | 63,105     | 64,778     | 67,172     |        |
|                     | 1909         | 3,542             | 19,581    | 35,066    | 45,664    | 51,612     | 56,132     | 58,556     | 60,138     | 60,765     | 61,877     |        |
|                     | 1908         | 2,524             | 16,657    | 34,027    | 43,234    | 51,497     | 58,603     | 64,131     | 66,855     | 68,624     | 70,593     |        |
| Georgia.....        | 1914         | 136,286           | 768,095   | 1,367,916 | 1,763,374 | 2,062,875  | 2,285,924  | 2,451,044  | 2,548,808  | 2,595,054  | 2,723,094  |        |
|                     | 1913         | 72,352            | 491,511   | 1,296,911 | 1,606,506 | 1,823,789  | 2,066,109  | 2,215,308  | 2,293,970  | 2,314,101  | 2,346,287  |        |
|                     | 1912         | 34,526            | 272,335   | 798,143   | 1,112,419 | 1,331,709  | 1,594,428  | 1,675,070  | 1,756,834  | 1,781,232  | 1,812,773  |        |
|                     | 1911         | 134,431           | 765,697   | 1,552,718 | 1,908,704 | 2,106,305  | 2,339,354  | 2,517,897  | 2,623,917  | 2,637,984  | 2,794,295  |        |
|                     | 1910         | 20,491            | 365,407   | 912,612   | 1,241,825 | 1,436,987  | 1,625,573  | 1,766,810  | 1,762,070  | 1,779,902  | 1,812,178  |        |
|                     | 1909         | 106,301           | 536,212   | 1,113,341 | 1,384,913 | 1,559,823  | 1,673,301  | 1,766,070  | 1,813,112  | 1,827,923  | 1,850,125  |        |
|                     | 1908         | 64,093            | 514,898   | 1,119,228 | 1,387,641 | 1,564,037  | 1,739,057  | 1,868,963  | 1,930,783  | 1,952,113  | 1,977,050  |        |
| Louisiana.....      | 1914         | 3,783             | 94,119    | 225,274   | 297,356   | 341,251    | 382,093    | 415,278    | 427,243    | 434,608    | 452,261    |        |
|                     | 1913         | 7,449             | 77,805    | 164,034   | 222,464   | 276,271    | 342,383    | 391,454    | 410,614    | 420,384    | 436,805    |        |
|                     | 1912         | 1,724             | 73,992    | 203,127   | 261,701   | 300,482    | 343,323    | 361,123    | 366,402    | 369,076    | 374,793    |        |
|                     | 1911         | 8,120             | 89,069    | 176,904   | 232,245   | 269,548    | 313,624    | 340,304    | 352,503    | 357,758    | 380,826    |        |
|                     | 1910         | 1,101             | 45,799    | 113,770   | 154,934   | 183,818    | 217,956    | 233,347    | 240,170    | 246,788    | 258,459    |        |
|                     | 1909         | 3,450             | 62,616    | 143,677   | 188,112   | 217,433    | 238,075    | 248,043    | 252,188    | 253,927    | 258,459    |        |
|                     | 1908         | 4,618             | 79,042    | 207,992   | 287,885   | 341,953    | 394,918    | 435,003    | 453,210    | 458,792    | 466,543    |        |
| Mississippi.....    | 1914         | 2,689             | 163,298   | 474,788   | 669,143   | 838,349    | 987,031    | 1,082,816  | 1,115,599  | 1,143,787  | 1,217,883  |        |
|                     | 1913         | 2,052             | 120,593   | 435,690   | 568,005   | 734,988    | 955,808    | 1,084,080  | 1,142,921  | 1,176,399  | 1,251,841  |        |
|                     | 1912         | 442               | 57,393    | 347,130   | 511,678   | 644,554    | 817,707    | 883,458    | 936,419    | 952,520    | 1,004,976  |        |
|                     | 1911         | 1,865             | 96,829    | 336,010   | 584,199   | 719,638    | 892,405    | 996,001    | 1,047,299  | 1,061,859  | 1,160,066  |        |
|                     | 1910         | 538               | 83,703    | 358,851   | 576,641   | 759,152    | 970,626    | 1,066,216  | 1,131,662  | 1,157,457  | 1,212,104  |        |
|                     | 1909         | 1,670             | 96,825    | 380,096   | 672,131   | 731,354    | 860,368    | 956,509    | 1,005,093  | 1,028,418  | 1,073,105  |        |
|                     | 1908         | 4,330             | 199,001   | 621,399   | 893,148   | 1,086,183  | 1,297,077  | 1,441,947  | 1,522,160  | 1,551,792  | 1,620,326  |        |
| North Carolina..... | 1914         | 968               | 84,517    | 301,108   | 427,940   | 556,175    | 674,340    | 766,445    | 814,644    | 855,367    | 970,470    |        |
|                     | 1913         | 177               | 49,952    | 252,193   | 384,260   | 493,360    | 622,369    | 708,508    | 750,800    | 783,817    | 837,905    |        |
|                     | 1912         | 674               | 101,683   | 356,226   | 496,537   | 627,251    | 754,569    | 819,662    | 857,189    | 875,493    | 906,351    |        |
|                     | 1911         | 1,245             | 156,390   | 438,266   | 597,940   | 716,200    | 828,680    | 913,944    | 975,223    | 998,988    | 1,126,276  |        |
|                     | 1910         | 4                 | 46,051    | 250,144   | 386,096   | 494,920    | 615,637    | 664,722    | 702,150    | 718,405    | 753,087    |        |
|                     | 1909         | 1,070             | 80,498    | 255,040   | 370,891   | 466,797    | 535,653    | 581,954    | 605,693    | 615,529    | 633,746    |        |
|                     | 1908         | 101               | 89,063    | 276,222   | 373,713   | 451,434    | 554,346    | 615,736    | 647,605    | 661,660    | 683,628    |        |
| Oklahoma.....       | 1914         | 238               | 104,154   | 451,449   | 659,867   | 870,672    | 1,018,796  | 1,060,018  | 1,094,320  | 1,147,481  | 1,232,638  |        |
|                     | 1913         | 5,106             | 148,979   | 391,258   | 536,303   | 666,736    | 764,295    | 789,782    | 804,313    | 825,060    | 842,499    |        |
|                     | 1912         | 272               | 77,394    | 398,345   | 599,190   | 725,006    | 869,278    | 902,329    | 947,452    | 965,752    | 1,005,109  |        |
|                     | 1911         | 4,255             | 116,328   | 396,739   | 554,933   | 657,497    | 783,980    | 862,838    | 900,409    | 915,663    | 1,016,538  |        |
|                     | 1910         | 398               | 110,530   | 421,625   | 585,237   | 727,654    | 828,387    | 868,561    | 895,926    | 905,051    | 919,842    |        |
|                     | 1909         | 1,370             | 134,377   | 329,420   | 412,631   | 476,471    | 565,584    | 514,585    | 525,610    | 532,803    | 552,678    |        |
|                     | 1908         | 8                 | 5,705     | 132,656   | 217,629   | 322,051    | 431,054    | 494,984    | 585,010    | 612,144    | 680,345    |        |
| South Carolina..... | 1914         | 14,633            | 303,794   | 693,444   | 910,558   | 1,091,320  | 1,230,168  | 1,323,482  | 1,388,317  | 1,424,700  | 1,500,195  |        |
|                     | 1913         | 7,264             | 193,318   | 619,720   | 846,468   | 995,398    | 1,160,725  | 1,276,428  | 1,342,737  | 1,368,774  | 1,418,704  |        |
|                     | 1912         | 4,260             | 174,251   | 540,319   | 730,690   | 883,535    | 1,041,689  | 1,128,850  | 1,173,216  | 1,192,574  | 1,224,245  |        |
|                     | 1911         | 19,364            | 338,090   | 788,927   | 1,022,614 | 1,163,934  | 1,310,963  | 1,423,383  | 1,508,753  | 1,536,985  | 1,692,146  |        |
|                     | 1910         | 208               | 160,521   | 516,232   | 729,117   | 888,291    | 1,036,889  | 1,107,556  | 1,154,003  | 1,175,905  | 1,210,068  |        |
|                     | 1909         | 18,949            | 285,401   | 624,301   | 791,629   | 913,440    | 998,158    | 1,064,819  | 1,100,309  | 1,114,533  | 1,137,382  |        |
|                     | 1908         | 9,399             | 289,969   | 660,678   | 821,608   | 938,926    | 1,051,650  | 1,134,183  | 1,176,220  | 1,192,723  | 1,215,848  |        |
| Tennessee.....      |              |                   |           |           |           |            |            |            |            |            |            |        |



## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 6.—PER CENT OF THE TOTAL COTTON GINNED TO SPECIFIED DATES, BY STATES: 1908 TO 1914.  
[Based on figures given in Table 5, page 15.]

| PER CENT OF TOTAL COTTON GINNED TO— |              |          |           |          |         |          |         |          |         |          |
|-------------------------------------|--------------|----------|-----------|----------|---------|----------|---------|----------|---------|----------|
| STATE.                              | Growth year. | Sept. 1. | Sept. 25. | Oct. 18. | Nov. 1. | Nov. 14. | Dec. 1. | Dec. 13. | Jan. 1. | Jan. 16. |
| United States.....                  | 1914         | 3.0      | 21.3      | 47.9     | 61.8    | 73.4     | 82.2    | 87.8     | 90.8    | 93.8     |
|                                     | 1913         | 5.7      | 23.2      | 49.9     | 63.2    | 74.7     | 86.5    | 92.5     | 95.5    | 97.1     |
|                                     | 1912         | 5.4      | 22.3      | 51.0     | 65.8    | 76.4     | 87.9    | 92.2     | 95.7    | 97.0     |
|                                     | 1911         | 5.0      | 23.6      | 49.9     | 64.1    | 72.7     | 82.4    | 88.5     | 92.1    | 93.3     |
|                                     | 1910         | 3.1      | 20.0      | 46.9     | 63.5    | 75.9     | 87.7    | 92.5     | 95.8    | 97.3     |
|                                     | 1909         | 3.1      | 25.5      | 54.9     | 69.7    | 80.5     | 88.1    | 92.9     | 95.8    | 97.2     |
|                                     | 1908         | 3.9      | 19.8      | 48.1     | 62.6    | 73.3     | 84.1    | 91.0     | 95.3    | 96.8     |
| Alabama.....                        | 1914         | 2.7      | 22.6      | 45.8     | 61.7    | 73.4     | 83.1    | 89.8     | 94.6    | 96.8     |
|                                     | 1913         | 3.0      | 22.0      | 56.6     | 68.5    | 79.6     | 92.0    | 97.3     | 98.0    | 99.4     |
|                                     | 1912         | 1.0      | 14.5      | 44.6     | 61.0    | 72.4     | 87.4    | 93.0     | 97.1    | 98.5     |
|                                     | 1911         | 2.4      | 21.2      | 49.5     | 64.2    | 73.1     | 84.7    | 92.1     | 95.5    | 96.7     |
|                                     | 1910         | 0.4      | 16.9      | 44.1     | 62.8    | 75.1     | 89.2    | 94.7     | 97.5    | 98.5     |
|                                     | 1909         | 1.3      | 18.1      | 49.3     | 65.0    | 77.5     | 88.2    | 94.9     | 97.8    | 98.7     |
|                                     | 1908         | 2.0      | 23.7      | 52.1     | 66.9    | 76.6     | 88.3    | 95.0     | 97.8    | 98.9     |
| Arkansas.....                       | 1914         | 0.1      | 9.9       | 39.8     | 57.4    | 73.9     | 84.1    | 89.5     | 91.4    | 94.2     |
|                                     | 1913         | 0.1      | 6.8       | 31.0     | 41.6    | 58.4     | 76.1    | 85.3     | 89.0    | 93.2     |
|                                     | 1912         | (1)      | 5.4       | 39.0     | 57.1    | 71.0     | 85.5    | 91.2     | 95.0    | 96.2     |
|                                     | 1911         | (1)      | 4.8       | 30.6     | 48.9    | 62.0     | 74.9    | 82.2     | 86.6    | 87.8     |
|                                     | 1910         | (1)      | 2.8       | 20.2     | 40.7    | 60.0     | 78.3    | 84.7     | 90.7    | 93.6     |
|                                     | 1909         | (1)      | 12.0      | 47.4     | 67.7    | 80.0     | 88.0    | 92.1     | 94.2    | 95.3     |
|                                     | 1908         | (1)      | 8.1       | 34.9     | 53.9    | 66.8     | 78.0    | 85.1     | 91.4    | 93.5     |
| Florida.....                        | 1914         | 5.8      | 28.2      | 47.8     | 62.5    | 72.7     | 80.5    | 89.3     | 94.5    | 97.2     |
|                                     | 1913         | 4.4      | 24.5      | 53.9     | 70.9    | 79.8     | 87.7    | 94.6     | 97.9    | 98.6     |
|                                     | 1912         | 3.1      | 16.6      | 40.1     | 60.1    | 71.8     | 82.7    | 89.9     | 95.3    | 97.4     |
|                                     | 1911         | 4.0      | 22.8      | 45.5     | 59.4    | 69.1     | 78.4    | 86.7     | 91.5    | 93.3     |
|                                     | 1910         | 0.9      | 16.8      | 40.5     | 57.9    | 69.7     | 81.0    | 89.4     | 93.9    | 96.4     |
|                                     | 1909         | 5.7      | 31.6      | 56.6     | 73.8    | 83.4     | 90.7    | 94.6     | 97.2    | 98.2     |
|                                     | 1908         | 3.6      | 23.6      | 48.2     | 61.2    | 72.9     | 83.0    | 90.8     | 94.7    | 97.2     |
| Georgia.....                        | 1914         | 5.0      | 28.2      | 50.2     | 64.8    | 75.8     | 83.9    | 90.0     | 93.6    | 95.3     |
|                                     | 1913         | 3.1      | 20.9      | 55.3     | 68.5    | 77.7     | 88.1    | 94.4     | 97.8    | 98.6     |
|                                     | 1912         | 1.9      | 15.0      | 43.8     | 61.4    | 73.5     | 86.3    | 92.4     | 96.9    | 98.3     |
|                                     | 1911         | 4.8      | 27.4      | 55.6     | 68.3    | 75.4     | 83.7    | 90.1     | 93.9    | 95.1     |
|                                     | 1910         | 1.1      | 20.2      | 50.4     | 68.5    | 79.3     | 89.7    | 94.2     | 97.2    | 98.2     |
|                                     | 1909         | 5.7      | 29.0      | 60.2     | 74.9    | 84.3     | 90.4    | 95.5     | 98.0    | 98.8     |
|                                     | 1908         | 3.3      | 26.0      | 56.6     | 70.2    | 79.1     | 88.0    | 94.5     | 97.7    | 98.7     |
| Louisiana.....                      | 1914         | 0.8      | 20.8      | 49.8     | 65.7    | 75.5     | 84.5    | 91.8     | 94.5    | 96.1     |
|                                     | 1913         | 1.7      | 17.8      | 37.5     | 50.9    | 63.2     | 78.4    | 89.6     | 94.6    | 96.2     |
|                                     | 1912         | 0.5      | 19.7      | 54.2     | 69.8    | 80.2     | 91.0    | 96.4     | 97.8    | 98.5     |
|                                     | 1911         | 2.1      | 23.4      | 46.5     | 61.0    | 70.8     | 82.4    | 90.4     | 92.6    | 93.9     |
|                                     | 1910         | 0.4      | 18.6      | 46.1     | 62.7    | 74.5     | 88.3    | 94.6     | 97.3    | 98.3     |
|                                     | 1909         | 1.3      | 24.2      | 55.7     | 72.8    | 84.1     | 92.3    | 96.2     | 97.6    | 98.2     |
|                                     | 1908         | 1.0      | 16.9      | 44.0     | 61.7    | 73.3     | 84.6    | 93.4     | 97.1    | 98.3     |
| Mississippi.....                    | 1914         | 0.2      | 13.4      | 39.0     | 54.9    | 68.8     | 81.0    | 88.9     | 91.6    | 93.9     |
|                                     | 1913         | 0.2      | 9.6       | 34.8     | 45.4    | 58.7     | 76.4    | 86.6     | 91.3    | 94.0     |
|                                     | 1912         | (1)      | 5.6       | 34.5     | 50.9    | 64.2     | 81.4    | 88.0     | 93.2    | 94.8     |
|                                     | 1911         | 0.2      | 8.3       | 33.0     | 50.0    | 61.6     | 76.3    | 85.2     | 89.6    | 90.8     |
|                                     | 1910         | (1)      | 6.9       | 29.6     | 47.6    | 62.6     | 80.1    | 88.0     | 93.4    | 95.5     |
|                                     | 1909         | 0.2      | 9.0       | 36.4     | 53.3    | 68.2     | 81.0    | 89.1     | 93.7    | 95.8     |
|                                     | 1908         | 0.3      | 12.3      | 38.4     | 55.1    | 67.0     | 80.1    | 89.0     | 93.9    | 95.8     |
| North Carolina.....                 | 1914         | 0.1      | 8.7       | 31.0     | 44.1    | 57.3     | 69.5    | 79.0     | 83.9    | 88.1     |
|                                     | 1913         | (1)      | 6.0       | 30.1     | 45.9    | 58.9     | 74.3    | 84.6     | 90.7    | 93.5     |
|                                     | 1912         | 0.1      | 11.2      | 39.3     | 54.8    | 69.2     | 83.3    | 90.4     | 94.6    | 96.6     |
|                                     | 1911         | 0.1      | 13.9      | 38.9     | 53.1    | 63.6     | 73.6    | 81.1     | 86.6    | 88.5     |
|                                     | 1910         | (1)      | 6.1       | 33.2     | 51.3    | 65.7     | 81.7    | 88.3     | 93.2    | 95.4     |
|                                     | 1909         | 0.2      | 12.7      | 40.2     | 58.5    | 73.7     | 84.5    | 91.8     | 95.6    | 97.1     |
|                                     | 1908         | (1)      | 13.0      | 40.4     | 54.7    | 66.0     | 81.1    | 90.1     | 94.7    | 96.8     |
| Oklahoma.....                       | 1914         | (1)      | 8.4       | 36.6     | 53.5    | 70.6     | 82.7    | 86.7     | 88.8    | 93.1     |
|                                     | 1913         | 0.6      | 17.7      | 46.4     | 63.7    | 79.1     | 90.7    | 93.7     | 95.5    | 97.9     |
|                                     | 1912         | (1)      | 7.7       | 39.6     | 59.6    | 72.1     | 86.5    | 89.8     | 94.3    | 96.1     |
|                                     | 1911         | 0.4      | 11.4      | 39.0     | 54.6    | 64.7     | 77.1    | 84.9     | 88.6    | 90.1     |
|                                     | 1910         | (1)      | 12.0      | 45.8     | 63.6    | 79.1     | 90.2    | 94.4     | 97.4    | 98.4     |
|                                     | 1909         | 0.2      | 24.3      | 59.6     | 74.7    | 86.2     | 91.5    | 93.1     | 95.1    | 96.4     |
|                                     | 1908         | (1)      | 0.8       | 19.2     | 31.6    | 46.7     | 62.5    | 71.8     | 84.9    | 88.8     |
| South Carolina.....                 | 1914         | 0.9      | 19.5      | 44.4     | 58.4    | 69.9     | 78.8    | 85.1     | 89.0    | 91.3     |
|                                     | 1913         | 0.5      | 13.6      | 43.7     | 59.7    | 70.2     | 81.8    | 90.0     | 94.6    | 96.5     |
|                                     | 1912         | 0.3      | 14.2      | 44.1     | 59.7    | 72.2     | 85.1    | 92.2     | 95.8    | 97.4     |
|                                     | 1911         | 1.1      | 20.0      | 46.6     | 60.4    | 68.8     | 77.5    | 84.1     | 89.2    | 90.8     |
|                                     | 1910         | (1)      | 13.3      | 42.6     | 60.2    | 73.4     | 85.6    | 91.5     | 95.3    | 97.1     |
|                                     | 1909         | 1.7      | 25.1      | 54.9     | 69.6    | 80.3     | 87.8    | 93.6     | 96.7    | 98.0     |
|                                     | 1908         | 0.8      | 23.8      | 54.3     | 67.6    | 77.2     | 86.5    | 91.3     | 96.7    | 98.1     |
| Tennessee.....                      | 1914         | (1)      | 4.3       | 27.5     | 46.4    | 64.1     | 78.3    | 85.8     | 88.8    | 92.2     |
|                                     | 1913         | (1)      | 5.0       | 36.6     | 47.5    | 63.7     | 83.0    | 92.9     | 96.6    | 97.7     |
|                                     | 1912         | (1)      | 0.4       | 24.9     | 44.3    | 59.1     | 78.0    | 86.1     | 92.9    | 94.6     |
|                                     | 1911         | (1)      | 3.6       | 29.3     | 49.1    | 61.6     | 74.4    | 83.8     | 88.7    | 90.8     |
|                                     | 1910         | (1)      | 0.5       | 18.0     | 40.4    | 59.9     | 77.8    | 84.0     | 90.1    | 93.0     |
|                                     | 1909         | (1)      | 7.1       | 42.1     | 61.8    | 76.2     | 85.7    | 92.0     | 94.2    | 95.1     |
|                                     | 1908         | (1)      | 8.4       | 39.2     | 59.5    | 72.9     | 83.7    | 90.6     | 94.9    | 96.3     |
| Texas.....                          | 1914         | 6.1      | 30.4      | 61.9     | 72.2    | 80.0     | 85.3    | 88.3     | 90.2    | 94.0     |
|                                     | 1913         | 17.4     | 45.8      | 65.0     | 78.2    | 87.8     | 94.7    | 98.1     | 97.1    | 98.5     |
|                                     | 1912         | 14.5     | 43.1      | 69.5     | 79.9    | 86.6     | 92.0    | 94.0     | 96.0    | 97.1     |
|                                     | 1911         | 13.6     | 40.6      | 65.7     | 78.2    | 84.6     | 91.3    | 94.0     | 95.6    | 96.5     |
|                                     | 1910         | 11.0     | 42.8      | 70.2     | 81.5    | 89.4     | 94.7    | 96.6     | 97.9    | 98.8     |
|                                     | 1909         | 9.6      | 43.0      | 67.8     | 77.8    | 85.2     | 89.6    | 91.6     | 94.3    | 96.3     |
|                                     | 1908         | 8.0      | 25.6      | 56.5     | 69.0    | 78.9     | 88.0    | 92.9     | 96.1    | 97.3     |
| All other states <sup>1</sup> ..... | 1914         | 0.7      | 5.0       | 22.3     | 35.6    | 49.7     | 63.2    | 70.7     | 76.1    | 84.7     |
|                                     | 1913         | (1)      | 5.2       | 27.0     | 39.1    | 54.9     | 72.0    | 83.2     | 89.4    | 92.4     |
|                                     | 1912         | (1)      | 3.9       | 26.3     | 48.1    | 63.0     | 78.1    | 86.4     | 91.3    | 93.1     |
|                                     | 1911         | (1)      | 3.9       | 24.0     | 42.0    | 53.3     | 64.2    | 74.3     | 79.4    | 82.2     |
|                                     | 1910         | (1)      | 0.1       | 10.1     | 29.3    | 45.8     | 66.6    | 76.1     | 83.7    | 88.2     |
|                                     | 1909         | (1)      | 3.8       | 34.6     | 59.9    | 76.0     | 85.6    | 92.2     | 94.9    | 96.5     |
|                                     | 1908         | (1)      | 6.5       | 32.3     | 50.0    | 63.9     | 76.6    | 87.4     | 92.7    | 95.3     |

<sup>1</sup> Less than one-tenth of 1 per cent.<sup>2</sup> Includes Arizona, California, Kansas, Kentucky, Missouri, New Mexico, and Virginia.

An analysis of the periodical statistics of cotton ginned, as shown in Table 5, is presented in Table 7, which gives the number of bales of cotton ginned

during each of the report periods, together with the corresponding percentages, for the crops of 1910 to 1914, inclusive.

TABLE 7.—QUANTITY OF COTTON AND PERCENTAGE OF THE TOTAL GINNED DURING EACH PERIOD BETWEEN REPORT DATES: CROPS OF 1910 TO 1914.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

| PERIOD.                  | 1914              |                    | 1913              |                    | 1912              |                    | 1911              |                    | 1910              |                    |
|--------------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|
|                          | Quantity (bales). | Per cent of total. | Quantity (bales). | Per cent of total. | Quantity (bales). | Per cent of total. | Quantity (bales). | Per cent of total. | Quantity (bales). | Per cent of total. |
| Total.....               | 15,905,840        | 100.0              | 13,982,811        | 100.0              | 13,488,539        | 100.0              | 15,553,073        | 100.0              | 11,568,334        | 100.0              |
| Prior to Sept. 1.....    | 480,317           | 3.0                | 799,099           | 5.7                | 730,884           | 5.4                | 771,297           | 5.0                | 353,011           | 3.1                |
| Sept. 1 to Sept. 25..... | 2,913,435         | 18.3               | 2,447,556         | 17.5               | 2,276,387         | 16.9               | 2,905,297         | 18.7               | 1,959,053         | 16.9               |
| Sept. 25 to Oct. 18..... | 4,225,995         | 26.6               | 3,726,893         | 26.6               | 3,866,935         | 28.7               | 4,082,027         | 26.2               | 3,111,554         | 26.9               |
| Oct. 18 to Nov. 1.....   | 2,207,165         | 13.9               | 1,856,878         | 13.3               | 1,995,016         | 14.8               | 2,212,284         | 14.2               | 1,922,325         | 16.6               |
| Nov. 1 to Nov. 14.....   | 1,841,323         | 11.6               | 1,614,133         | 11.5               | 1,430,424         | 10.6               | 1,342,331         | 8.6                | 1,434,430         | 12.4               |
| Nov. 14 to Dec. 1.....   | 1,405,146         | 8.8                | 1,643,883         | 11.8               | 1,554,895         | 11.5               | 1,503,571         | 9.7                | 1,359,279         | 11.7               |
| Dec. 1 to Dec. 13.....   | 898,843           | 5.6                | 839,016           | 6.0                | 584,495           | 4.3                | 953,920           | 6.1                | 555,731           | 4.8                |
| Dec. 13 to Jan. 1.....   | 470,917           | 3.0                | 420,293           | 3.0                | 468,369           | 3.5                | 546,275           | 3.5                | 389,072           | 3.4                |
| Jan. 1 to Jan. 16.....   | 472,704           | 3.0                | 234,315           | 1.7                | 181,525           | 1.3                | 108,797           | 1.3                | 168,632           | 1.5                |
| After Jan. 15.....       | 989,990           | 6.2                | 400,775           | 2.9                | 399,609           | 3.0                | 1,037,274         | 6.7                | 315,187           | 2.7                |

The period from September 25 to October 18 shows the largest ginnings for each of the years given in the table. This is to be expected, however, inasmuch as this period covers 23 days during a time of great activity in the harvesting of cotton, while most of the other periods are shorter. In 1913 and 1914, 26.6 per cent of the total crop was ginned during this period, as compared with 28.7 per cent in 1912, 26.2 per cent in 1911, and 26.9 per cent in 1910. The variations in the proportion of the total ginned during the period from November 1 to November 14 are rather pronounced, the percentages ranging from 8.6 in 1911 to 12.4 in 1910. The quantity ginned during any period is obviously affected by the weather conditions and by the size of the crop.

#### AVERAGE WEIGHT OF BALE.

Some ginnerers do not weigh the baled cotton turned out from their establishments, and some of those who do so fail to keep permanent records. In view of this condition and of the necessity of securing local weights in order to reduce the statistics to a uniform bale weight so as to credit each county with its proper proportion of the crop, the bureau requires its canvassing agents to secure bale weights from local weighers, merchants, and other handlers of cotton. The statistics in Table 8 have been compiled from these data and should constitute a very reliable record. This table shows, by states, for the crops of 1910 to 1914, the average gross weight of upland square, upland round, sea-island, and linter bales and the number of square bales for which weights were returned to the bureau, with their total weight in pounds.

The number of square bales for which weights were returned to the bureau in 1914 was 7,688,814, or nearly one-half of the total number ginned during the season. The bale weights were returned in two installments, with the reports of cotton ginned to November 1 and to January 1. Since weights are

secured for bales ginned in different periods, the figures are representative of the varying conditions of the season and contribute to the reliability of the averages. Because of the variation throughout the season in the weights of the bales pressed, it is not possible to arrive at a reliable average for the crop before the season's ginning is practically completed. Weights of sea-island and of upland round bales were secured by the agents from the handlers of such cotton, and from these data were computed the average weights for round and sea-island bales. The average weights of the linter bales were computed from returns secured from the operators of cottonseed-oil mills.

*Method of computing average bale weights.*—To obtain the average bale weights for a state, the average weights in pounds of the square, the round, and the sea-island bales weighed in each county were first multiplied separately by the numbers of bales of the respective kinds reported as ginned in the county. The several products thus obtained constituted the totals for the county. The county totals for the different kinds of bales were added separately to obtain the corresponding state totals, which were then divided respectively by the number of bales of the several kinds ginned in the state to obtain the average weight of each kind of bale. By deducting from the sum of the different kinds of bales one-half of the number of round bales, the divisor for finding the average weight of the bale, counting round as half bales, was obtained. The average bale weight for the crop of 1914, excluding linters, as thus computed, is 507.2 pounds gross, as compared with 506.2 pounds for 1913, 508 pounds for 1912, 504.5 pounds for 1911, and 501.7 pounds for 1910. The variation in the average weight of bale for upland cotton put up in square packages is pronounced throughout the cotton belt, the averages ranging from less than 440 pounds for a number of counties in North Carolina to more than 540 pounds for certain counties in Texas. For the states shown

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separately in the table the range is from 479.5 pounds in North Carolina to 523 pounds in Texas. These variations are due to a number of causes, the principal one, no doubt, being the practice of putting in one

package the lint obtained from a single load of seed cotton, the quantity in a load depending upon capacity of wagons, character of roads, local customs, price of cotton, etc.

TABLE 8.—AVERAGE GROSS WEIGHT OF THE SEVERAL KINDS OF BALES AND NUMBER AND GROSS WEIGHT OF SQUARE BALES FOR WHICH WEIGHTS WERE RETURNED, BY STATES: 1910 TO 1914.

| STATE.                | Growth year. | AVERAGE GROSS WEIGHT OF BALE (POUNDS). |         |        |             |          | SQUARE BALES FOR WHICH WEIGHTS WERE RETURNED. |                        |
|-----------------------|--------------|--|---------|--------|-------------|----------|---|------------------------|
|                       |              | Cotton.                                |         |        |             | Linters. | Number.                                       | Gross weight (pounds). |
|                       |              | Counting round as half bales.          | Upland. |        | Sea-island. |          |   |                        |
|                       |              |  | Square. | Round. |             |          |   |                        |
| United States.....    | 1914         | 507.2                                  | 507.8   | 253.0  | 395.5       | 514.7    | 7,688,814                                     | 3,897,539,799          |
|                       | 1913         | 506.2                                  | 506.9   | 251.4  | 384.7       | 506.1    | 7,772,225                                     | 3,931,370,190          |
|                       | 1912         | 508.0                                  | 508.7   | 253.9  | 381.9       | 506.0    | 7,326,923                                     | 3,712,983,739          |
|                       | 1911         | 504.5                                  | 505.3   | 250.4  | 399.7       | 500.6    | 7,839,832                                     | 3,951,510,387          |
|                       | 1910         | 501.7                                  | 502.6   | 249.4  | 393.3       | 499.3    | 6,191,522                                     | 3,106,196,000          |
| Alabama.....          | 1914         | 505.7                                  | 505.7   | .....  | .....       | 509.0    | 826,931                                       | 416,410,234            |
|                       | 1913         | 504.0                                  | 503.0   | 257.0  | .....       | 500.9    | 873,197                                       | 439,509,807            |
|                       | 1912         | 505.3                                  | 505.3   | 241.9  | .....       | 504.1    | 794,048                                       | 401,236,388            |
|                       | 1911         | 506.3                                  | 506.3   | 247.2  | .....       | 499.9    | 871,926                                       | 442,181,697            |
|                       | 1910         | 500.9                                  | 500.9   | 243.0  | .....       | 499.8    | 651,927                                       | 326,757,378            |
| Arkansas.....         | 1914         | 508.5                                  | 508.5   | 248.3  | .....       | 520.8    | 551,382                                       | 280,392,298            |
|                       | 1913         | 516.6                                  | 516.6   | 253.1  | .....       | 516.9    | 592,931                                       | 305,967,413            |
|                       | 1912         | 513.7                                  | 513.7   | 261.6  | .....       | 515.0    | 478,868                                       | 245,221,337            |
|                       | 1911         | 517.2                                  | 517.2   | 254.0  | .....       | 518.0    | 470,847                                       | 242,543,037            |
|                       | 1910         | 514.5                                  | 514.4   | 259.9  | .....       | 510.9    | 448,929                                       | 229,111,985            |
| Florida.....          | 1914         | 448.2                                  | 488.7   | .....  | 379.6       | 530.8    | 47,072  | 23,051,626             |
|                       | 1913         | 440.0                                  | 488.7   | .....  | 361.3       | 459.5    | 31,387  | 15,404,229             |
|                       | 1912         | 448.4                                  | 496.1   | .....  | 370.4       | 453.2    | 32,364  | 16,065,829             |
|                       | 1911         | 441.3                                  | 492.5   | .....  | 375.4       | 432.9    | 34,064  | 17,148,143             |
|                       | 1910         | 438.8                                  | 482.6   | .....  | 382.6       | 435.0    | 32,114  | 15,646,860             |
| Georgia.....          | 1914         | 499.1                                  | 500.4   | .....  | 412.6       | 494.4    | 1,382,898                                     | 691,431,261            |
|                       | 1913         | 493.7                                  | 495.4   | .....  | 404.1       | 491.7    | 1,553,200                                     | 670,356,223            |
|                       | 1912         | 490.0                                  | 492.4   | .....  | 393.6       | 491.6    | 1,053,577                                     | 519,326,762            |
|                       | 1911         | 495.4                                  | 497.5   | .....  | 417.0       | 479.8    | 1,340,461                                     | 667,167,970            |
|                       | 1910         | 487.6                                  | 489.7   | .....  | 409.3       | 479.1    | 1,015,455                                     | 497,987,815            |
| Louisiana.....        | 1914         | 496.9                                  | 496.9   | 249.3  | .....       | 523.5    | 279,915                                       | 139,314,883            |
|                       | 1913         | 508.0                                  | 508.1   | 242.0  | .....       | 512.5    | 290,828                                       | 147,703,664            |
|                       | 1912         | 501.7                                  | 501.8   | 240.5  | .....       | 513.1    | 277,460                                       | 139,974,808            |
|                       | 1911         | 505.0                                  | 505.0   | 243.2  | .....       | 507.8    | 281,358                                       | 143,373,415            |
|                       | 1910         | 497.7                                  | 497.8   | 243.3  | .....       | 526.0    | 183,599                                       | 91,600,361             |
| Mississippi.....      | 1914         | 511.4                                  | 511.4   | .....  | .....       | 531.4    | 556,749                                       | 284,563,180            |
|                       | 1913         | 523.5                                  | 523.5   | .....  | .....       | 532.0    | 507,093                                       | 295,057,200            |
|                       | 1912         | 520.9                                  | 520.9   | .....  | .....       | 529.3    | 499,896                                       | 259,014,266            |
|                       | 1911         | 514.7                                  | 514.7   | .....  | .....       | 521.6    | 533,081                                       | 273,552,560            |
|                       | 1910         | 520.9                                  | 520.9   | .....  | .....       | 510.8    | 503,732                                       | 307,431,322            |
| North Carolina.....   | 1914         | 479.5                                  | 479.5   | .....  | .....       | 492.2    | 428,948                                       | 205,537,721            |
|                       | 1913         | 472.9                                  | 472.9   | .....  | .....       | 476.0    | 423,356                                       | 200,763,779            |
|                       | 1912         | 477.5                                  | 477.5   | .....  | .....       | 468.7    | 430,424                                       | 205,583,615            |
|                       | 1911         | 477.6                                  | 477.6   | .....  | .....       | 480.3    | 480,697                                       | 233,204,482            |
|                       | 1910         | 468.8                                  | 468.8   | .....  | .....       | 477.9    | 352,844                                       | 166,081,698            |
| Oklahoma.....         | 1914         | 512.0                                  | 512.1   | 250.7  | .....       | 542.5    | 714,847                                       | 365,779,835            |
|                       | 1913         | 498.7                                  | 498.7   | 250.7  | .....       | 530.2    | 632,065                                       | 314,913,462            |
|                       | 1912         | 508.0                                  | 508.1   | 251.5  | .....       | 527.3    | 561,359                                       | 284,635,940            |
|                       | 1911         | 502.7                                  | 502.9   | 248.2  | .....       | 519.9    | 566,066                                       | 284,572,432            |
|                       | 1910         | 501.8                                  | 501.9   | 246.8  | .....       | 497.0    | 522,686                                       | 262,597,301            |
| South Carolina.....   | 1914         | 491.6                                  | 492.1   | .....  | 361.3       | 490.0    | 659,039                                       | 322,930,700            |
|                       | 1913         | 485.6                                  | 486.4   | .....  | 356.7       | 483.2    | 708,771                                       | 373,281,653            |
|                       | 1912         | 482.8                                  | 483.6   | .....  | 348.7       | 480.5    | 794,263                                       | 383,505,671            |
|                       | 1911         | 487.2                                  | 487.6   | .....  | 350.6       | 477.9    | 1,245,555                                     | 605,542,193            |
|                       | 1910         | 480.4                                  | 481.7   | .....  | 358.8       | 480.7    | 710,164                                       | 341,724,236            |
| Tennessee.....        | 1914         | 515.4                                  | 515.4   | .....  | .....       | 527.7    | 187,669                                       | 96,591,551             |
|                       | 1913         | 517.3                                  | 517.3   | .....  | .....       | 515.4    | 195,753                                       | 101,186,497            |
|                       | 1912         | 517.0                                  | 517.0   | .....  | .....       | 521.4    | 154,062                                       | 79,847,517             |
|                       | 1911         | 522.9                                  | 522.9   | .....  | .....       | 510.3    | 220,624                                       | 115,463,393            |
|                       | 1910         | 516.9                                  | 516.9   | .....  | .....       | 531.4    | 170,407                                       | 88,747,883             |
| Texas.....            | 1914         | 523.0                                  | 523.0   | 258.4  | .....       | 520.2    | 1,970,879                                     | 1,028,823,250          |
|                       | 1913         | 522.8                                  | 522.9   | 250.2  | .....       | 509.4    | 1,958,516                                     | 1,023,227,445          |
|                       | 1912         | 525.3                                  | 525.3   | 262.5  | .....       | 506.8    | 2,180,044                                     | 1,142,736,945          |
|                       | 1911         | 518.2                                  | 518.2   | 253.2  | .....       | 501.9    | 1,696,179                                     | 878,447,007            |
|                       | 1910         | 516.9                                  | 517.0   | 251.4  | .....       | 500.5    | 1,451,812                                     | 749,677,286            |
| All other states..... | 1914         | 516.5                                  | 516.5   | .....  | .....       | 523.1    | 82,485  | 42,704,260             |
|                       | 1913         | 512.1                                  | 512.1   | .....  | .....       | 519.1    | 85,128  | 43,098,518             |
|                       | 1912         | 507.9                                  | 507.9   | .....  | .....       | 520.3    | 70,558  | 35,834,658             |
|                       | 1911         | 517.8                                  | 517.8   | .....  | .....       | 531.1    | 92,374  | 48,314,058             |
|                       | 1910         | 498.8                                  | 498.8   | 250.0  | .....       | 527.6    | 57,853  | 28,832,875             |

Disparity between census and export bale weights.— The average weight of the bales exported during the year ending July 31, 1915, was 520.1 pounds, which is

12.9 pounds greater than the average for the crop of 1914, as computed from the returns of bale weights received by the bureau. This variation may be

ascribed to a number of reasons, the principal one, no doubt, being the fact that the states which contribute the larger portion of the export cotton are those which put up the heaviest bales. The average weight of the bale for the states of Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas, which furnish much the larger part of the export cotton, was 516.4 pounds, while that for the states of Alabama, Georgia, North Carolina, and South Carolina, which contribute most largely to the domestic consumption, was 496.3 pounds.

#### PRICES OF COTTON AND COTTON SEED.

In computing the value of cotton crops for use in prior bulletins the price of upland cotton was obtained from the transactions on the New Orleans Cotton Exchange, from September 1 to April 1, while Messrs. Henry W. Frost & Co., of Charleston, S. C., furnished prices of sea-island cotton. The prices of cotton seed were determined from information furnished by the manufacturers of cottonseed products. These prices are obviously higher than those actually obtained by the producers, but it was impossible in the absence of reliable information to compute the farm value of the cotton crops. The Bureau of Crop Estimates of the Department of Agriculture, however, has collected data and prepared estimates showing, by states, the yearly average price of cotton and cotton seed paid to producers in the last five years. These estimates for lint cotton were prepared from the average prices on the first of each month, these monthly prices being weighted by the monthly marketings of cotton to obtain the yearly average. The estimated average prices per ton paid to producers for cotton seed were prepared from the average prices at the middle of each month, the monthly averages being weighted by the monthly marketings of seed to obtain the yearly averages. The average prices of cotton and cotton seed, by states, as computed for the crops of 1910 to 1914, inclusive, are as follows:

TABLE 9.—AVERAGE PRICE OBTAINED BY PRODUCERS FOR COTTON AND COTTON SEED, BY STATES: 1910 TO 1914.

[Compiled by the Bureau of Crop Estimates, Department of Agriculture.]

| STATE.              | YEARLY AVERAGE PRICE OBTAINED BY PRODUCERS FOR— |       |       |       |       |                               |         |         |         |         |
|---------------------|---|-------|-------|-------|-------|-------------------------------|---------|---------|---------|---------|
|                     | Lint cotton per pound, in cents, crop of—       |       |       |       |       | Cotton seed per ton, crop of— |         |         |         |         |
|                     | 1914  | 1913  | 1912  | 1911  | 1910  | 1914                          | 1913    | 1912    | 1911    | 1910    |
| United States..     | 7.33  | 12.48 | 11.48 | 9.56  | 13.95 | \$17.90                       | \$22.40 | \$19.20 | \$17.10 | \$25.80 |
| Alabama.....        | 7.29  | 12.83 | 11.44 | 9.52  | 13.97 | 18.90                         | 23.50   | 19.50   | 18.20   | 28.60   |
| Arkansas.....       | 7.03  | 12.08 | 11.78 | 9.32  | 14.14 | 17.00                         | 19.40   | 20.00   | 16.70   | 24.10   |
| Florida.....        | 10.74   | 14.57 | 14.65 | 12.95 | 18.66 | 17.30                         | 21.00   | 17.50   | 17.30   | 30.00   |
| Georgia.....        | 7.44  | 12.90 | 11.60 | 9.55  | 14.00 | 20.20                         | 24.20   | 20.50   | 16.90   | 28.40   |
| Louisiana.....      | 7.63  | 12.24 | 11.38 | 9.60  | 13.99 | 18.60                         | 18.50   | 19.70   | 18.00   | 25.30   |
| Mississippi.....    | 7.29  | 12.59 | 11.87 | 9.82  | 14.12 | 18.70                         | 22.40   | 21.80   | 17.50   | 26.20   |
| Missouri.....       | 6.82  | 12.50 | 11.80 | 9.00  | 14.00 | 22.00                         | 21.20   | 22.10   | 22.90   | 25.20   |
| North Carolina..... | 7.65  | 12.73 | 11.48 | 9.44  | 14.08 | 21.60                         | 26.00   | 22.10   | 19.20   | 30.70   |
| Oklahoma.....       | 6.81  | 11.78 | 11.12 | 8.90  | 13.40 | 14.60                         | 20.50   | 17.50   | 16.00   | 21.00   |
| South Carolina..... | 7.76  | 12.86 | 11.70 | 9.48  | 14.02 | 20.80                         | 25.70   | 21.20   | 17.20   | 28.50   |
| Tennessee.....      | 7.09  | 12.82 | 11.94 | 9.23  | 14.10 | 18.30                         | 24.50   | 22.90   | 18.10   | 25.80   |
| Texas.....          | 7.22  | 12.19 | 11.29 | 9.75  | 13.79 | 15.30                         | 20.60   | 17.10   | 16.20   | 22.90   |

average price of 7.33 cents per pound, as compared with 12.48 cents for the crop of 1913, 11.48 cents for the crop of 1912, 9.56 cents for the crop of 1911, and 13.95 cents for the crop of 1910. For each of the years shown the growers of Florida received a much higher average than those of any other state. This is due to the large proportion of sea-island cotton, which constitutes more than 50 per cent of the total crop. The second highest average is shown by South Carolina for 1914, Georgia for 1913, Tennessee for 1912, Texas for 1911, and Arkansas for 1910. Oklahoma shows the lowest average price for each of the crops represented, although for every year except 1910 the average in that state does not differ greatly from that for at least one other state. So many factors enter into the production, the handling, and the marketing of cotton that it is to be expected that the relative market values in different localities should vary from year to year. In some states, however, there are constant factors which operate toward a higher or a lower price. For instance, in South Carolina and Georgia a considerable portion of each year's crop is made up of sea-island cotton and the long-staple varieties of upland. In these states also the cost of transportation to the seaboard or the centers of consumption is probably less than in most others, whereas in Oklahoma but little long-staple cotton is produced and the haul to ports and mills is probably longer than in any other state. While conditions during the marketing of the 1914 crop were unusual in all the states, in some sections large quantities of cotton were sacrificed to meet pressing obligations at a time when prices were very low, whereas in other localities on account of better warehouse facilities and easier financial accommodations, the growers were able to hold their cotton until the price had somewhat recovered.

According to the report of Mr. Henry G. Hester, secretary of the New Orleans cotton exchange, the average grade of the crop of 1914 was middling and the average price of that grade for the year was 7.94 cents per pound. According to the same report, the average price of middling cotton for the crop of 1913 was 13.49 cents per pound, and that of 1912, 12.20 cents.

The yearly average price per ton of cotton seed paid to producers in the United States as a whole was \$17.90 for the crop of 1914, \$22.40 for 1913, \$19.20 for 1912, \$17.10 for 1911, and \$25.80 for 1910. The highest averages in the several states were shown by Missouri for the crops of 1914 and 1911, by North Carolina for the crops of 1913 and 1910, and by Tennessee for 1912. North Carolina, South Carolina, and Georgia uniformly show high average prices for this material, both because the seed produced in these states yields high percentages of the more valuable products and because there is considerable local demand for cottonseed meal for use in mixing fertilizers. On the other hand, the average prices in Texas, Oklahoma, and Arkansas are uniformly low because of the lower yield of oil and cake from the seed produced in these states.

The growers of cotton in the United States as a whole received for the lint produced from the crop of 1914 an

## COTTON PRODUCTION AND DISTRIBUTION.

## THE VALUE OF THE COTTON CROP.

The gross weight of upland and sea-island cotton and the estimated quantity of cotton seed, together with the estimated values of lint cotton and cotton seed, for

the crops of 1910 to 1914, are presented, by states, in Table 10. No account is taken of linters in computing the value of the crop, as the value of the cotton seed relates to seed before reginning.

TABLE 10.—GROSS WEIGHT AND ESTIMATED VALUE OF LINT COTTON AND ESTIMATED QUANTITY AND VALUE OF COTTON SEED, BY STATES: 1910 TO 1914.

| STATE.                | Growth year. | Aggregate value of cotton crop. | LINT COTTON—GROSS WEIGHT. |               |                  |                 |                   | COTTON SEED. |               |
|-----------------------|--------------|---------------------------------|---------------------------|---------------|------------------|-----------------|-------------------|--------------|---------------|
|                       |              |                                 | Total value.              | Total.        | Upland.          |                 | Sea-island bales. | Quantity.    | Value.        |
|                       |              |                                 |                           |               | In square bales. | In round bales. |                   |              |               |
|                       |              |                                 |                           | Pounds.       | Pounds.          | Pounds.         | Pounds.           | Tons.        |               |
| United States.....    | 1914         | \$720,080,000                   | \$591,130,000             | 8,067,470,000 | 8,020,610,000    | 14,570,000      | 32,290,000        | 7,188,000    | \$128,950,000 |
|                       | 1913         | 1,025,700,000                   | 885,350,000               | 7,078,240,000 | 7,023,270,000    | 25,130,000      | 29,840,000        | 6,305,000    | 141,350,000   |
|                       | 1912         | 904,130,000                     | 783,830,000               | 6,851,710,000 | 6,802,830,000    | 20,700,000      | 28,180,000        | 6,104,000    | 117,330,000   |
|                       | 1911         | 860,690,000                     | 749,890,000               | 7,846,350,000 | 7,773,230,000    | 25,430,000      | 47,690,000        | 6,997,000    | 119,800,000   |
|                       | 1910         | 943,520,000                     | 809,710,000               | 5,804,310,000 | 5,740,610,000    | 28,160,000      | 35,540,000        | 5,175,000    | 133,810,000   |
| Alabama.....          | 1914         | 78,540,000                      | 63,840,000                | 875,690,000   | 875,690,000      | —               | —                 | 778,000      | 14,700,000    |
|                       | 1913         | 111,700,000                     | 96,160,000                | 747,740,000   | 744,830,000      | 2,910,000       | —                 | 964,000      | 15,600,000    |
|                       | 1912         | 88,400,000                      | 76,780,000                | 671,140,000   | 668,900,000      | 2,240,000       | —                 | 596,000      | 11,620,000    |
|                       | 1911         | 95,580,000                      | 81,710,000                | 858,270,000   | 855,150,000      | 3,120,000       | —                 | 762,000      | 13,870,000    |
|                       | 1910         | 98,580,000                      | 83,420,000                | 597,130,000   | 594,340,000      | 2,790,000       | —                 | 530,000      | 15,160,000    |
| Arkansas.....         | 1914         | 43,390,000                      | 35,720,000                | 598,080,000   | 597,550,000      | 530,000         | —                 | 451,000      | 7,670,000     |
|                       | 1913         | 74,050,000                      | 64,800,000                | 538,420,000   | 535,030,000      | 1,390,000       | —                 | 477,000      | 9,250,000     |
|                       | 1912         | 53,630,000                      | 46,650,000                | 396,020,000   | 395,380,000      | 640,000         | —                 | 352,000      | 7,040,000     |
|                       | 1911         | 60,750,000                      | 43,770,000                | 460,650,000   | 468,910,000      | 740,000         | —                 | 418,000      | 6,980,000     |
|                       | 1910         | 66,860,000                      | 58,080,000                | 410,610,000   | 409,600,000      | 1,010,000       | —                 | 365,000      | 8,800,000     |
| Florida.....          | 1914         | 5,100,000                       | 4,360,000                 | 40,630,000    | 27,850,000       | —               | 12,780,000        | 43,000       | 740,000       |
|                       | 1913         | 4,930,000                       | 4,280,000                 | 29,850,000    | 20,100,000       | —               | 9,250,000         | 31,000       | 650,000       |
|                       | 1912         | 4,350,000                       | 3,860,000                 | 26,380,000    | 18,110,000       | —               | 8,270,000         | 28,000       | 490,000       |
|                       | 1911         | 6,200,000                       | 5,400,000                 | 41,690,000    | 25,200,000       | —               | 15,490,000        | 46,000       | 800,000       |
|                       | 1910         | 6,490,000                       | 5,500,000                 | 29,470,000    | 18,220,000       | —               | 11,250,000        | 33,000       | 990,000       |
| Georgia.....          | 1914         | 125,690,000                     | 101,110,000               | 1,359,020,000 | 1,341,530,000    | —               | 17,490,000        | 1,217,000    | 24,580,000    |
|                       | 1913         | 174,540,000                     | 149,420,000               | 1,158,300,000 | 1,140,800,000    | —               | 17,500,000        | 1,038,000    | 25,120,000    |
|                       | 1912         | 119,400,000                     | 103,040,000               | 888,270,000   | 871,050,000      | —               | 17,220,000        | 798,000      | 16,390,000    |
|                       | 1911         | 153,200,000                     | 132,200,000               | 1,384,310,000 | 1,353,910,000    | —               | 30,400,000        | 1,248,000    | 21,000,000    |
|                       | 1910         | 140,280,000                     | 123,700,000               | 883,600,000   | 863,980,000      | —               | 19,620,000        | 795,000      | 22,580,000    |
| Louisiana.....        | 1914         | 20,870,000                      | 17,150,000                | 224,730,000   | 224,440,000      | 280,000         | —                 | 200,000      | 3,720,000     |
|                       | 1913         | 30,800,000                      | 27,160,000                | 221,910,000   | 221,490,000      | 420,000         | —                 | 197,000      | 3,640,000     |
|                       | 1912         | 24,690,000                      | 21,400,000                | 188,050,000   | 187,760,000      | 290,000         | —                 | 167,000      | 3,200,000     |
|                       | 1911         | 21,540,000                      | 18,460,000                | 192,300,000   | 191,800,000      | 500,000         | —                 | 171,000      | 3,080,000     |
|                       | 1910         | 19,940,000                      | 17,180,000                | 122,830,000   | 121,950,000      | 880,000         | —                 | 109,000      | 2,700,000     |
| Mississippi.....      | 1914         | 55,740,000                      | 45,400,000                | 622,770,000   | 622,770,000      | —               | —                 | 553,000      | 10,340,000    |
|                       | 1913         | 95,570,000                      | 82,510,000                | 655,370,000   | 655,370,000      | —               | —                 | 583,000      | 13,060,000    |
|                       | 1912         | 72,250,000                      | 62,110,000                | 523,210,000   | 523,210,000      | —               | —                 | 468,000      | 10,140,000    |
|                       | 1911         | 68,450,000                      | 59,090,000                | 601,770,000   | 601,770,000      | —               | —                 | 535,000      | 9,360,000     |
|                       | 1910         | 103,850,000                     | 89,130,000                | 631,340,000   | 631,340,000      | —               | —                 | 564,000      | 14,700,000    |
| Missouri.....         | 1914         | 3,580,000                       | 2,790,000                 | 40,880,000    | 40,880,000       | —               | —                 | 36,000       | 790,000       |
|                       | 1913         | 4,830,000                       | 4,190,000                 | 33,550,000    | 33,550,000       | —               | —                 | 30,000       | 640,000       |
|                       | 1912         | 3,840,000                       | 3,290,000                 | 27,850,000    | 27,850,000       | —               | —                 | 25,000       | 550,000       |
|                       | 1911         | 5,340,000                       | 4,360,000                 | 48,400,000    | 48,400,000       | —               | —                 | 43,000       | 980,000       |
|                       | 1910         | 4,830,000                       | 4,170,000                 | 29,810,000    | 29,740,000       | 70,000          | —                 | 26,000       | 660,000       |
| North Carolina.....   | 1914         | 44,500,000                      | 35,600,000                | 465,320,000   | 465,320,000      | —               | —                 | 412,000      | 8,900,000     |
|                       | 1913         | 59,580,000                      | 50,450,000                | 396,270,000   | 396,270,000      | —               | —                 | 351,000      | 9,130,000     |
|                       | 1912         | 58,150,000                      | 49,690,000                | 432,830,000   | 432,830,000      | —               | —                 | 383,000      | 8,400,000     |
|                       | 1911         | 59,920,000                      | 50,780,000                | 537,910,000   | 537,910,000      | —               | —                 | 478,000      | 9,140,000     |
|                       | 1910         | 59,200,000                      | 49,710,000                | 353,070,000   | 353,070,000      | —               | —                 | 312,000      | 9,580,000     |
| Oklahoma.....         | 1914         | 51,170,000                      | 42,980,000                | 631,060,000   | 621,920,000      | 9,170,000       | —                 | 561,000      | 8,190,000     |
|                       | 1913         | 57,150,000                      | 49,500,000                | 420,190,000   | 409,910,000      | 10,280,000      | —                 | 373,000      | 7,650,000     |
|                       | 1912         | 64,730,000                      | 56,780,000                | 510,620,000   | 499,660,000      | 10,960,000      | —                 | 454,000      | 7,950,000     |
|                       | 1911         | 52,740,000                      | 45,480,000                | 511,050,000   | 501,620,000      | 9,430,000       | —                 | 454,000      | 7,220,000     |
|                       | 1910         | 70,460,000                      | 61,850,000                | 461,530,000   | 454,530,000      | 7,000,000       | —                 | 410,000      | 8,610,000     |
| South Carolina.....   | 1914         | 73,700,000                      | 59,510,000                | 766,900,000   | 764,880,000      | —               | 2,020,000         | 682,000      | 14,180,000    |
|                       | 1913         | 104,340,000                     | 88,590,000                | 683,910,000   | 685,820,000      | —               | 3,090,000         | 613,000      | 15,700,000    |
|                       | 1912         | 80,330,000                      | 69,150,000                | 591,680,000   | 588,370,000      | —               | 2,690,000         | 523,000      | 11,150,000    |
|                       | 1911         | 90,740,000                      | 78,150,000                | 824,360,000   | 822,560,000      | —               | 1,800,000         | 732,000      | 12,500,000    |
|                       | 1910         | 96,320,000                      | 81,560,000                | 581,750,000   | 577,080,000      | —               | 4,670,000         | 518,000      | 14,760,000    |
| Tennessee.....        | 1914         | 16,730,000                      | 13,600,000                | 191,760,000   | 191,760,000      | —               | —                 | 171,000      | 3,130,000     |
|                       | 1913         | 23,460,000                      | 21,320,000                | 189,740,000   | 189,740,000      | —               | —                 | 169,000      | 4,140,000     |
|                       | 1912         | 19,330,000                      | 16,510,000                | 138,270,000   | 138,270,000      | —               | —                 | 123,000      | 2,820,000     |
|                       | 1911         | 21,380,000                      | 20,760,000                | 224,870,000   | 224,870,000      | —               | —                 | 200,000      | 3,620,000     |
|                       | 1910         | 27,220,000                      | 23,460,000                | 165,980,000   | 165,980,000      | —               | —                 | 148,000      | 3,820,000     |
| Texas.....            | 1914         | 197,030,000                     | 165,770,000               | 2,266,050,000 | 2,291,470,000    | 4,580,000       | —                 | 2,043,000    | 31,230,000    |
|                       | 1913         | 276,000,000                     | 240,450,000               | 1,972,490,000 | 1,962,360,000    | 10,130,000      | —                 | 1,755,000    | 36,150,000    |
|                       | 1912         | 312,610,000                     | 273,490,000               | 2,440,110,000 | 2,433,540,000    | 6,570,000       | —                 | 2,171,000    | 37,120,000    |
|                       | 1911         | 238,170,000                     | 207,500,000               | 2,128,210,000 | 2,116,570,000    | 11,640,000      | —                 | 1,893,000    | 30,670,000    |
|                       | 1910         | 241,310,000                     | 210,260,000               | 1,524,710,000 | 1,508,300,000    | 16,410,000      | —                 | 1,356,000    | 31,050,000    |
| Virginia.....         | 1914         | 1,200,000                       | 950,000                   | 12,610,000    | 12,610,000       | —               | —                 | 11,000       | 240,000       |
|                       | 1913         | 1,750,000                       | 1,490,000                 | 11,740,000    | 11,740,000       | —               | —                 | 10,000       | 280,000       |
|                       | 1912         | 1,640,000                       | 1,400,000                 | 12,200,000    | 12,200,000       | —               | —                 | 11,000       | 240,000       |
|                       | 1911         | 1,660,000                       | 1,410,000                 | 14,950,000    | 14,950,000       | —               | —                 | 13,000       | 250,000       |
|                       | 1910         | 1,250,000                       | 1,040,000                 | 7,410,000     | 7,410,000        | —               | —                 | 7,000        | 210,000       |
| All other states..... | 1914         | 2,840,000                       | 2,340,000                 | 31,940,000    | 31,940,000       | —               | —                 | 28,000       | 500,000       |
|                       | 1913         | 2,340,000                       | 2,030,000                 | 16,250,000    | 16,260,000       | —               | —                 | 14,000       | 310,000       |
|                       | 1912         | 750,000                         | 650,000                   | 5,700,000     | 5,700,000        | —               | —                 | 5,000        | 160,000       |
|                       | 1911         | 990,000                         | 820,000                   | 8,610,000     | 8,610,000        | —               | —                 | 8,000        | 140,000       |
|                       | 1910         | 840,000                         | 710,000                   | 5,070,000     | 5,070,000        | —               | —                 | 5,000        | 130,000       |

The statistics of lint cotton produced have been computed to represent the weight of baled cotton just as bought and sold. Estimating the weight of the wrapping and bands of the bales to average 22 pounds for upland square, 3 pounds for upland round, and 10 pounds for sea-island, the total tare for the cotton crop of 1914 on this basis amounted to 348,490,000 pounds, leaving 7,718,980,000 pounds as the net quantity of lint cotton produced.

In computing the values of the crops, the average prices of cotton and of cotton seed given in Table 9 have been used. On page 19 is stated the method of determining these prices, and the values given in the table must be considered accordingly. With the varying conditions found throughout the cotton belt the compilation of absolutely accurate data as to the value of the crop is impossible. The statistics in Table 10 are, in a large sense, therefore, estimates, but it is believed they are sufficiently close to the facts to furnish a reliable basis. The average prices given in Table 9 have been multiplied in each case by the corresponding numbers representing the weights, while the average prices of seed for the several states have been applied to the estimated quantities of seed produced. The values of cotton and of seed are combined to make up the total value of the cotton crop, which appears in the first column of the table. The value of the crop of 1914 as thus determined is \$720,080,000, as compared with \$1,026,700,000 for 1913, \$904,130,000 for 1912, \$869,690,000 for 1911, and \$943,520,000 for 1910. Thus the value of the crop of 1914 was by far the lowest for any year shown in the table, notwithstanding the fact that the quantity of lint cotton was much greater than that for any other year.

In order that the value of the cotton crops, as given in Table 10, may be compared with those shown in former bulletins, the price of cotton on the New Orleans market from September 1 to October 1 has been obtained. By applying this price to the production of lint cotton and adding the value of the seed, the total value for the crop of 1914 was \$728,715,000. This compares with \$1,043,760,000 for 1913, \$920,630,000 for 1912, \$859,840,000 for 1911, and \$963,180,000 for 1910.

*Estimated seed production.*—It has generally been assumed that upland cotton, on an average, "thirds itself" at the gin—that is, the seed weighs twice as much as the lint. The greater care being exercised in selecting seed for planting, together with improved methods of ginning, tends to the saving of more lint from the first ginning than formerly, and the proportions are now estimated at 35 per cent lint for upland and 25 per cent lint for sea-island cotton. Computed on these bases the quantity of seed produced in 1914 amounted to 7,186,000 tons.

Only approximate accuracy can be claimed for the figures of cottonseed production in Table 10, as different seasons and different localities present conditions which vary considerably. The character of soil,

methods of cultivation, and conditions of weather during the growing and maturing periods materially affect the results.

#### COTTON GRADING AND MARKETING.

There has been a widespread demand for a change in the methods obtaining in the marketing of cotton whereby greater regard shall be given the actual worth of the staple in the sale of cotton by the producer, since a large proportion of the cotton crop is disposed of by the growers with but scant attention to the real value of the fiber. The manufacturer, in arriving at the true value of the lint, carefully considers not only the appearance of the cotton as regards color, dirt, and trash, but also the length, strength, and uniformity of the fiber. The producer, as a rule, has slight knowledge of these characteristics, and is somewhat at a disadvantage in disposing of his crop. The desirability of establishing a uniform basis for cotton grading has long been recognized by a majority of those interested in the cotton industry. While there are practical difficulties in the way of applying uniform standard grades throughout the handling of the cotton crop, it is believed these difficulties can be largely overcome. As a result of the demand for such action, Congress directed the Secretary of Agriculture to establish standards for the different grades of cotton, to prepare them in practical form, and to furnish them to anyone upon payment of the actual cost thereof. These grades were established, and although their use was not compulsory they were adopted by all the leading cotton exchanges and became widely distributed. Congress also authorized the making of tests to determine the spinning qualities of the several official grades. This legislation was followed by the Cotton Futures Act, which became effective on February 18, 1915, and the administration of which so far is set forth in the following statement prepared by the Office of Markets and Rural Organization of the Department of Agriculture:

The United States cotton futures act became a law August 18, 1914, and became effective six months later, February 18, 1915. This act seeks to regulate trading in contracts on exchanges for future delivery of cotton by levying a prohibitive tax on all such trading, except as it complies with certain specified conditions. These conditions were determined with a view to correcting abuses heretofore existing and are imposed on parties to future contracts in order to equalize their privileges and protect the rights of all cotton owners, as future contracts made through the cotton exchanges practically control the price of the entire cotton crop of the South.

By order of the Secretary of Agriculture the administration of the portions of the act devolving on the Department of Agriculture was placed in charge of the Office of Markets and Rural Organization, under the direct supervision of the Secretary and in close cooperation with the office of the solicitor, where all legal points are determined.

The first administrative duty imposed by the act was the establishment of the new official cotton standards of the United States.

Before discussing the new standards a short review of the subject of cotton standardization in the United States seems advisable.

The appropriation act for the United States Department of Agriculture for the fiscal year ending June 30, 1909, contained an item



which enabled the department to undertake investigations in the standardization of cotton. Subsequent appropriation acts provided for the continuation and extension of the work on cotton standardization, and the distribution by sale of copies of the permissive standards, prepared and approved by the department under the act referred to. These standards were permissive, were never formally promulgated, and no concerted effort was made to secure their adoption by the trade. On recent thorough examination it was found that the standards for the low grades were not typical of a sufficient proportion of these grades as produced in the cotton belt. They were accordingly modified to accord more accurately with the true requirements.

The new standards were tested by grading a large number of samples which previously had been classed on the old standards by the same workers, and it was found that approximately 12 per cent more of this cotton could be graded on the basis of the new official cotton standards than by the old permissive grades.

On December 15, 1914, the Secretary of Agriculture therefore established and promulgated new standards for the nine grades of cotton—middling fair, strict good middling, good middling, strict middling, middling, strict low middling, low middling, strict good ordinary, and good ordinary. The new standard fits trade conditions decidedly better than did the permissive standard and is in substantial conformity with the international or Liverpool standard.

Under the cotton futures act the official cotton standards for grade are practically compulsory upon the future exchanges in the United States, as they were compelled to adopt them in order to avoid the excessive taxation. Accordingly the exchanges at New York and New Orleans adopted the standards for all transactions subsequent to February 18, 1915. The use of the standard for other cotton exchanges in the United States is optional; but 21 of such exchanges or similar organizations have adopted the standard and are making their quotations thereon. The following list contains all exchanges that have adopted the standard up to July 1, 1915:

New York Cotton Exchange, New York, N. Y.  
New Orleans Cotton Exchange, New Orleans, La.  
Montgomery Cotton Exchange, Montgomery, Ala.  
Selma Cotton Exchange, Selma, Ala.  
Little Rock Board of Trade, Little Rock, Ark.  
Mobile Cotton Exchange, Mobile, Ala.  
Augusta Cotton Exchange, Augusta, Ga.  
Savannah Cotton Exchange, Savannah, Ga.  
New England Cotton Buyers' Association, Boston, Mass.  
Fall River Cotton Buyers' Association, Fall River, Mass.  
St. Louis Cotton Exchange, St. Louis, Mo.  
Vicksburg Cotton Exchange, Vicksburg, Miss.  
Oklahoma State Cotton Association, Oklahoma City, Okla.  
Charleston Cotton Exchange, Charleston, S. C.  
Memphis Cotton Exchange, Memphis, Tenn.  
Galveston Cotton Exchange, Galveston, Tex.  
Texas Cotton Buyers' Association, Waco, Tex.  
Waco Cotton Exchange, Waco, Tex.  
Houston Cotton Exchange, Houston, Tex.  
Dallas Cotton Exchange, Dallas, Tex.  
Paris Cotton Exchange, Paris, Tex.  
San Antonio Cotton Exchange, San Antonio, Tex.  
Norfolk and Portsmouth Cotton Exchange, Norfolk, Va.

Three hundred and eighty of the official cotton standards of the United States have been prepared and distributed up to July 1, 1915, to the various exchanges, spot market dealers, merchants, cotton mills, agricultural colleges, and textile schools in the United States, and 12 sets have been shipped to foreign countries. Representatives of the Department of Agriculture have demonstrated these standards to the exchanges at Liverpool, Bremen, and Havre with a view to their possible future adoption by those exchanges. Twenty-five sets of the standards have been prepared and stored in vacuum for future reference, which are to be opened whenever it is necessary to do so in order to check the accuracy and the uniformity of the present standard.

The work of demonstrating the use of these standards at the primary markets by the county demonstration agents has been continued, other demonstrations being made in connection with cooperative grading work which is carried on by the department. Spinning tests on the basis of the new standards will be conducted during this fiscal year.

The official cotton standards are sold at \$20 per set, an allowance of \$5 being made on the purchase price for each set of the old permissive grades which is returned. Upon request Mr. Charles J. Brand, chief, office of markets and rural organization, Department of Agriculture, will furnish order blanks required for the ordering of the standards.

Another duty imposed by this law is the investigation and designation of bona-fide spot markets within the meaning of the act. Thirteen cities have been named as such thus far, and 10 of these are being used in establishing commercial differences for the settlement of future contracts as required by the act. In case future markets do not present certain conditions with reference to their spot business, the expedient was adopted by Congress of requiring the differences on which future trades are settled to be based upon the quotation from markets where sales of cotton are made in such volume and under such conditions as accurately to reflect the value of middling and the differences in value between middling and other grades. By carefully prepared rules governing the making of quotations, by frequent visits to the spot exchanges, and by telegraphic and mail reports from each exchange it is sought to have the differences of the 10 designated markets accurately represent the true commercial values of the different grades, the average of which may be taken as a satisfactory basis for the settlement of future contracts.

Another important administrative duty under the act is the determination of disputes when they arise as to the length of staple, grade, or quality of any cotton tendered in settlement of a future contract. The act requires that future trading shall be on the basis of the official cotton standards. Twelve expert cotton classifiers, termed "examiners," have been designated to act in these disputes, and their memoranda of conclusions as to the grade, length of staple, or quality are the basis of the formal findings of the Secretary, which are prima facie evidence in courts of the United States as to the true grade, length of staple, or quality and tenderability of any cotton covered thereby.

#### LONG-STAPLE COTTON.

The limited supply of cotton having a long staple, and the world-wide demand in normal times for cotton of this character for use in the manufacture of thread and the higher grade fabrics have given such varieties an importance seemingly out of proportion to the amount produced. While at one time long-fiber sea-island cotton grown in the West Indies provided a large part of the total cotton used in Europe, the world's production of this variety at the present time is comparatively insignificant, averaging less than 100,000 bales per annum. The quantity of long-fiber cotton produced in Egypt is less than a million and a half bales each year, and the quantity of upland cotton with a staple of  $1\frac{3}{4}$  inches or more in length produced in the United States, according to the estimate of the Department of Agriculture, was about 400,000 bales. Long-staple cotton is also produced in comparatively small quantities in India, Brazil, Peru, and several other countries. Altogether the total of long-staple cotton—that is, cotton having a fiber  $1\frac{3}{4}$  inches or more in length—produced throughout the world from the crop of 1914 did not, in all probability, exceed 2,000,000 bales, which is less than one-twelfth of the aggregate quantity produced. As stated above, great interest attaches to cotton of this character, under normal conditions, and statistics more or less in detail are presented regarding its cultivation in the United States.

*Sea-island cotton.*—Table 11 is a comparative statement, showing by states the quantity of sea-island cotton ginned in the United States from the crops of 1910 to 1914, the average gross weight of the bale, and the quantity ginned to specified dates during these years.

TABLE 11.—SEA-ISLAND COTTON—PRODUCTION, AVERAGE GROSS WEIGHT OF BALE, AND QUANTITY GINNED TO SPECIFIED DATES, BY STATES: 1910 TO 1914.

| STATE.              | Growth year. | PRODUCTION.      |                              | Average gross weight of bale (pounds). | COTTON GINNED TO (RUNNING BALES)— |           |          |         |          |         |          |         |          |
|---------------------|--------------|------------------|------------------------------|--|-----------------------------------|-----------|----------|---------|----------|---------|----------|---------|----------|
|                     |              | Bales (num-ber). | Total gross weight (pounds). |  | Sept. 1.                          | Sept. 25. | Oct. 18. | Nov. 1. | Nov. 14. | Dec. 1. | Dec. 13. | Jan. 1. | Jan. 16. |
| United States.....  | 1914         | 81,654           | 32,290,000                   | 395.5                                  | 1,748                             | 13,927    | 30,078   | 43,115  | 54,197   | 63,024  | 71,401   | 76,857  | 79,515   |
|                     | 1913         | 77,563           | 29,840,000                   | 384.7                                  | 436                               | 10,570    | 31,139   | 42,804  | 51,950   | 61,049  | 69,520   | 74,320  | 76,277   |
|                     | 1912         | 73,777           | 28,180,000                   | 381.9                                  | 232                               | 3,051     | 15,960   | 28,387  | 40,389   | 51,275  | 60,445   | 67,257  | 70,758   |
|                     | 1911         | 119,293          | 47,690,000                   | 399.7                                  | 546                               | 11,807    | 40,303   | 56,563  | 71,204   | 87,656  | 98,035   | 105,088 | 109,867  |
|                     | 1910         | 90,368           | 35,540,000                   | 393.3                                  | 218                               | 7,004     | 25,601   | 40,504  | 52,631   | 66,606  | 75,228   | 82,432  | 86,424   |
| Florida.....        | 1914         | 33,662           | 12,780,000                   | 379.6                                  | 602                               | 5,927     | 13,738   | 19,142  | 23,751   | 27,531  | 30,488   | 32,305  | 33,221   |
|                     | 1913         | 25,587           | 9,250,000                    | 361.3                                  | 140                               | 4,049     | 12,259   | 16,356  | 19,542   | 22,207  | 24,126   | 25,166  | 25,366   |
|                     | 1912         | 22,334           | 8,270,000                    | 370.4                                  | 167                               | 1,600     | 6,976    | 11,067  | 15,052   | 17,826  | 19,505   | 21,085  | 21,916   |
|                     | 1911         | 41,270           | 15,490,000                   | 375.4                                  | 233                               | 4,381     | 15,110   | 21,038  | 26,818   | 32,350  | 35,585   | 38,091  | 39,340   |
|                     | 1910         | 29,417           | 11,250,000                   | 382.6                                  | 120                               | 2,988     | 10,098   | 15,191  | 19,669   | 23,663  | 25,854   | 27,646  | 28,790   |
| Georgia.....        | 1914         | 42,395           | 17,490,000                   | 412.6                                  | 1,146                             | 7,907     | 15,884   | 23,096  | 28,800   | 33,091  | 37,395   | 39,999  | 41,204   |
|                     | 1913         | 43,305           | 17,500,000                   | 404.1                                  | 295                               | 6,443     | 17,868   | 24,570  | 29,355   | 34,346  | 39,014   | 41,768  | 42,650   |
|                     | 1912         | 43,736           | 17,220,000                   | 393.6                                  | 64                                | 1,258     | 8,148    | 16,276  | 22,873   | 29,756  | 35,418   | 39,543  | 41,529   |
|                     | 1911         | 72,504           | 30,400,000                   | 417.0                                  | 313                               | 7,405     | 24,453   | 33,841  | 41,730   | 51,496  | 58,008   | 63,099  | 65,577   |
|                     | 1910         | 47,935           | 19,620,000                   | 409.3                                  | 95                                | 3,993     | 14,386   | 22,490  | 28,088   | 35,405  | 39,725   | 43,636  | 45,441   |
| South Carolina..... | 1914         | 5,597            | 2,020,000                    | 361.3                                  | -----                             | 93        | 456      | 877     | 1,646    | 2,402   | 3,518    | 4,553   | 5,090    |
|                     | 1913         | 8,671            | 3,090,000                    | 356.7                                  | 1                                 | 78        | 1,012    | 1,878   | 3,053    | 4,496   | 6,380    | 7,386   | 8,261    |
|                     | 1912         | 7,707            | 2,690,000                    | 348.7                                  | 1                                 | 103       | 836      | 1,544   | 2,464    | 3,693   | 5,522    | 6,629   | 7,313    |
|                     | 1911         | 5,119            | 1,800,000                    | 350.6                                  | -----                             | 21        | 740      | 1,684   | 2,656    | 3,810   | 4,442    | 4,798   | 4,950    |
|                     | 1910         | 13,016           | 4,670,000                    | 358.8                                  | 3                                 | 23        | 1,207    | 2,823   | 4,874    | 7,628   | 9,649    | 11,150  | 12,193   |

The sea-island crop of 1914 amounted to 81,654 bales, or 32,290,000 pounds gross weight. While slightly larger than the two preceding crops, it was smaller than those of 1910 and 1911. More than one-half of the total crop of sea-island cotton in 1914 was ginned prior to November 1, and more than three-fourths prior to December 1.

The ginning of sea-island cotton in the three producing states from the crop of 1914 was confined to 39 counties, comprising 15 counties in Florida, 22 in Georgia, and 2 in South Carolina. It was not grown, however, in all parts of the counties from which it was returned, in some instances only a small proportion of the total production of cotton being sea-island. The distribution of the crop by counties for the last five years will be found in Table 16, and the localities producing it in 1914 are represented on the map on page 31. It might be presumed that the high prices generally received for this cotton would cause a large increase in the acreage, but attempts to grow it in other parts of these states and in other states have been so unsatisfactory that practically all efforts to raise it outside of certain well-defined areas in the states named have been abandoned. Recently experiments in the growing of this cotton were made in Plaquemines Parish, La., and a few bales were produced there in 1911, 1912, and 1913. However, no sea-island cotton was returned for this parish in 1914.

The best sea-island cotton produced in the United States is grown on the islands off the coast of South Carolina by planters who have for many years paid the most careful attention to seed selection. The fiber produced is long and fine, and it is harvested and handled with such care that it commands a very high

price. Growers who raise sea-island cotton in the interior must secure new seed from the coast region frequently in order to preserve the quality of the fiber, which degenerates rapidly into upland fiber when grown away from the coast. Aside from the consideration of suitable soil and climatic conditions, there are obstacles in the way of extending this culture beyond the present limits. Among these are: (1) Lack of proper experience in new territory in cultivating, harvesting, and handling; (2) objection to the small and partially closed sea-island bolls on the part of the pickers accustomed to upland varieties, notwithstanding the fact that they receive more for picking sea-island cotton than for picking upland cotton; (3) the necessity of using roller gins for sea-island cotton, since saws injure the fiber; and (4) the disadvantage of selling sea-island cotton in a market where the buyers are unaccustomed to it.

The sea-island cotton now being grown in the West Indies is said to surpass the average American product, and competes with that grown in South Carolina rather than with the less valuable varieties grown in Florida and Georgia; however, according to a report of the British Cotton Growing Association, the total exports of sea-island cotton from the British West Indies for the year ending September 30, 1914, were only 3,810 bales of 500 pounds each.

*Egyptian cotton.*—The fiber of Egyptian cotton is not so strong nor so fine as that of sea-island, but it is nevertheless quite strong and of uniform length. It is prepared for market more carefully than most of the American fiber, and, being freer from waste, is more satisfactory on that account to the manufacturer. The imports of Egyptian cotton into the United States during the year ending August 31, 1915, amounted to



252,373 bales of 500 pounds each. The demand for Egyptian cotton by American manufacturers has led to efforts to grow in the United States cotton having these characteristics, and much encouragement has been given the movement by the success attending its culture in Arizona.

The status of the cultivation of Egyptian varieties of cotton in this country is presented in the following statement, furnished by the Department of Agriculture:

The production of Egyptian cotton in Arizona increased from 280 bales in 1912 to about 2,200 bales in 1913, and 6,187 bales in 1914.

It is grown chiefly in the Salt River Valley, where approximately 3,500 acres were devoted to the crop in 1913 and 12,000 acres in 1914.

Under proper cultivation and irrigation the yields have been satisfactory, averaging under favorable conditions about one bale per acre. Farmers who have had previous experience in growing cotton and whose land is old and fertile, have in some instances obtained yields of  $1\frac{1}{2}$  and even  $1\frac{3}{4}$  bales per acre. On the other hand, much of the land thus far planted to cotton in the Salt River Valley, has been desert land, under irrigation for the first time, and many of the growers have had no previous experience in raising cotton under irrigation. These conditions have curtailed the production on much of the acreage planted.

The staple ranges from slightly less to slightly more than  $1\frac{1}{2}$  inches in length. The Arizona crop, as a whole, represents a type of Egyptian cotton very much superior to the bulk of our Egyptian imports, there being few mills in this country which use Egyptian cotton equal in quality to that produced in Arizona. The excellent character of this cotton has been recognized both by domestic and English spinners.

While the abnormally low prices of 1914 have resulted in a material reduction of acreage in 1915, there is every reason to expect that if prices return to the level of previous years this will soon become one of the principal crops of southern Arizona.

*Long-staple upland cotton.*—Formerly practically all of the long-staple upland cotton produced in the United States was grown in the Mississippi Delta, where a market for handling cotton of this character had been created. With the increased demand for superior staple cottons, efforts were made in other sections of the cotton belt to grow improved varieties of upland cotton. This movement was accelerated by the fact that early maturing varieties of short-staple cotton have, in a measure, supplanted the long-staple varieties grown in the Delta, where these later maturing cottons were seriously damaged by the boll weevil. The net result has shown no pronounced increase in the quantity of long-staple upland cotton produced in the country, notwithstanding the efforts of those interested in this movement.

Complete data of the production of long-staple upland cotton are not available, and opinions as to the total amount vary greatly. The Bureau of Crop Estimates of the Department of Agriculture made an inquiry to determine what percentage of the total crop of 1914 was long staple, where this staple was principally produced, and the usual yields and selling prices compared with short-staple cotton. The results of this inquiry appear in Farmers' Bulletin 651 published February 6, 1915, from which the following information is obtained:

The reports received from the voluntary correspondents, supplemented by the investigations of the field agents of the bureau, in the cotton states indicate the approximate percentages shown in the following statement of long staple ( $1\frac{1}{2}$  inches and over), short staple (under  $1\frac{1}{2}$  inches), and sea-island cotton produced in 1914, with the yields secured and the prices obtained for each:

UPLAND LONG-STAPLE, SHORT-STAPLE, AND SEA-ISLAND COTTON—RELATIVE PRODUCTION, YIELDS PER ACRE, AND PRICES: 1914.

| STATE.              | PROPORTION OF ENTIRE COTTON CROP. |           |              | YIELDS PER ACRE. |        |              | PRICES. |        |              |
|---------------------|-----------------------------------|-----------|--------------|------------------|--------|--------------|---------|--------|--------------|
|                     | Long.                             | Short.    | Sea Is-land. | Long.            | Short. | Sea Is-land. | Long.   | Short. | Sea Is-land. |
|                     | Per cent.                         | Per cent. | Per cent.    | Lbs.             | Lbs.   | Lbs.         | Cts.    | Cts.   | Cts.         |
| Alabama.....        | 0.5                               | 99.5      | .....        | 255              | 209    | .....        | 10.0    | 6.7    | .....        |
| Arkansas.....       | 6.0                               | 94.0      | .....        | 185              | 198    | .....        | 8.7     | 6.5    | .....        |
| California.....     | 25.0                              | 75.0      | .....        | 500              | 500    | .....        | 10.2    | 6.0    | .....        |
| Florida.....        | 7.0                               | 38.0      | .....        | 155              | 220    | 165          | 13.0    | 7.0    | 15.0         |
| Georgia.....        | 2.5                               | 95.0      | 35.0         | 210              | 237    | 185          | 9.5     | 6.6    | 15.8         |
| Louisiana.....      | 2.0                               | 98.0      | .....        | 150              | 192    | .....        | 9.5     | 6.9    | .....        |
| Mississippi.....    | 11.0                              | 89.0      | .....        | 215              | 194    | .....        | 10.0    | 6.8    | .....        |
| Missouri.....       | 2.0                               | 98.0      | .....        | 325              | 285    | .....        | 9.0     | 6.4    | .....        |
| North Carolina..... | 1.4                               | 98.6      | .....        | 250              | 285    | .....        | 10.0    | 6.9    | .....        |
| Oklahoma.....       | 1.0                               | 99.0      | .....        | 185              | 212    | .....        | 7.0     | 6.5    | .....        |
| South Carolina..... | 4.0                               | 95.4      | 0.6          | 265              | 256    | 140          | 10.0    | 6.7    | 19.0         |
| Tennessee.....      | .5                                | 99.5      | .....        | 180              | 196    | .....        | 9.3     | 6.4    | .....        |
| Texas.....          | .3                                | 99.7      | .....        | 175              | 183    | .....        | 10.0    | 6.8    | .....        |
| Virginia.....       | 1.0                               | 99.0      | .....        | 230              | 255    | .....        | 9.0     | 7.3    | .....        |

The maximum production of long staple in the rich delta lands of the lower Mississippi Valley, to which this type was, until recent years, largely confined, was between 300,000 and 400,000 bales. Since the coming of the boll weevil, to which the older varieties of long staple appear to have been particularly susceptible, the production there seems to have diminished to about half the former maximum production and in some counties to have almost entirely ceased. The entire production of the United States, as indicated by these reports, is slightly over 400,000 bales but, as explained, these figures probably include some of the longer varieties under  $1\frac{1}{2}$  inches in length.

The principal areas of present production, additional to the delta lands extending through western and northwestern Mississippi, eastern and southeastern Arkansas, northeastern Louisiana, and into Tennessee, already mentioned, appear to be the counties on the Red River or its tributaries in southwestern Arkansas and northeastern Texas; the counties of Darlington, Chesterfield, and Marlboro in northern South Carolina, with some extension into the counties across the line in North Carolina; a group of counties along the Savannah River in Georgia and South Carolina; and small groups or isolated counties in other states.

While the yields shown in the table indicate that long staple is only slightly less productive than short staple, and in several states even larger yields are shown, a study of the individual reports indicate that the yields per acre of long-staple varieties at present generally grown are less than those of short staple, as a rule. While certain improved varieties of long staple may give a yield of lint equal to that of short varieties, the favorable showing in the table for average yields of long staple in comparison with short is partly due to the fact that the long staple is grown by the more progressive farmers on better land and with better cultivation, while the short staple is the average for all farmers.

The improved varieties of long-staple upland cotton developed in recent years by the specialists in the Bureau of Plant Industry of this department are fully equal in yield of lint to the average short-staple varieties.

#### NUMBER OF GINNERIES.

The number of ginneries, both active and idle, reported for each year from 1910 to 1914, and the average number of running bales ginned per active establishment, are shown, by states, in Table 12.

TABLE 12.—NUMBER OF ACTIVE AND IDLE GINNTRIES, AND AVERAGE NUMBER OF RUNNING BALES, EXCLUDING LINTERS, GINNED PER ACTIVE ESTABLISHMENT, BY STATES: 1910 TO 1914.

| STATE.             | Growth year. | NUMBER OF GINNTRIES. |         |       | Average number of running bales ginned per active establishment. | STATE.                              | Growth year. | NUMBER OF GINNTRIES. |         |       | Average number of running bales ginned per active establishment. |
|--------------------|--------------|----------------------|---------|-------|--|-------------------------------------|--------------|----------------------|---------|-------|--|
|                    |              | Total.               | Active. | Idle. |  |                                     |              | Total.               | Active. | Idle. |  |
| United States..... | 1914         | 27,339               | 24,547  | 2,792 | 648  | North Carolina.....                 | 1914         | 2,938                | 2,625   | 313   | 370  |
|                    | 1913         | 27,649               | 24,749  | 2,900 | 567  |                                     | 1913         | 2,983                | 2,715   | 273   | 308  |
|                    | 1912         | 28,358               | 25,279  | 3,079 | 535  |                                     | 1912         | 3,068                | 2,810   | 256   | 323  |
|                    | 1911         | 29,225               | 26,349  | 2,876 | 592  |                                     | 1911         | 3,125                | 2,897   | 228   | 389  |
|                    | 1910         | 29,380               | 26,234  | 3,146 | 443  |                                     | 1910         | 3,068                | 2,821   | 247   | 267  |
| Alabama.....       | 1914         | 3,233                | 2,975   | 258   | 582  | Oklahoma.....                       | 1914         | 1,143                | 1,062   | 81    | 1,161  |
|                    | 1913         | 3,252                | 2,989   | 263   | 498  |                                     | 1913         | 1,151                | 1,035   | 116   | 834  |
|                    | 1912         | 3,417                | 3,130   | 287   | 426  |                                     | 1912         | 1,153                | 1,051   | 102   | 977  |
|                    | 1911         | 3,569                | 3,295   | 274   | 516  |                                     | 1911         | 1,129                | 1,068   | 61    | 970  |
|                    | 1910         | 3,610                | 3,337   | 273   | 359  |                                     | 1910         | 1,081                | 986     | 75    | 947  |
| Arkansas.....      | 1914         | 2,036                | 1,880   | 156   | 532  | South Carolina.....                 | 1914         | 3,467                | 3,181   | 286   | 490  |
|                    | 1913         | 2,080                | 1,923   | 157   | 541  |                                     | 1913         | 3,468                | 3,210   | 250   | 441  |
|                    | 1912         | 2,140                | 1,921   | 219   | 402  |                                     | 1912         | 3,532                | 3,258   | 274   | 376  |
|                    | 1911         | 2,232                | 2,019   | 213   | 450  |                                     | 1911         | 3,587                | 3,331   | 256   | 508  |
|                    | 1910         | 2,257                | 2,035   | 222   | 393  |                                     | 1910         | 3,521                | 3,253   | 268   | 372  |
| Florida.....       | 1914         | 263                  | 220     | 43    | 412  | Tennessee.....                      | 1914         | 627                  | 575     | 52    | 647  |
|                    | 1913         | 286                  | 221     | 65    | 302  |                                     | 1913         | 639                  | 565     | 74    | 649  |
|                    | 1912         | 303                  | 247     | 56    | 238  |                                     | 1912         | 666                  | 584     | 82    | 458  |
|                    | 1911         | 310                  | 276     | 34    | 342  |                                     | 1911         | 666                  | 603     | 63    | 713  |
|                    | 1910         | 312                  | 275     | 37    | 244  |                                     | 1910         | 674                  | 602     | 72    | 533  |
| Georgia.....       | 1914         | 4,338                | 3,862   | 476   | 765  | Texas.....                          | 1914         | 4,604                | 4,361   | 333   | 1,007  |
|                    | 1913         | 4,351                | 3,867   | 484   | 607  |                                     | 1913         | 4,695                | 4,352   | 343   | 872  |
|                    | 1912         | 4,514                | 3,993   | 521   | 454  |                                     | 1912         | 4,607                | 4,300   | 307   | 1,083  |
|                    | 1911         | 4,727                | 4,254   | 473   | 657  |                                     | 1911         | 4,591                | 4,290   | 331   | 970  |
|                    | 1910         | 4,818                | 4,276   | 542   | 424  |                                     | 1910         | 4,506                | 4,120   | 386   | 724  |
| Louisiana.....     | 1914         | 1,489                | 1,187   | 302   | 381  | Virginia.....                       | 1914         | 153                  | 133     | 20    | 190  |
|                    | 1913         | 1,525                | 1,198   | 327   | 365  |                                     | 1913         | 154                  | 134     | 20    | 183  |
|                    | 1912         | 1,599                | 1,132   | 467   | 332  |                                     | 1912         | 153                  | 135     | 18    | 189  |
|                    | 1911         | 1,675                | 1,233   | 442   | 310  |                                     | 1911         | 149                  | 131     | 18    | 237  |
|                    | 1910         | 1,760                | 1,249   | 511   | 199  |                                     | 1910         | 142                  | 121     | 21    | 133  |
| Mississippi.....   | 1914         | 2,814                | 2,350   | 465   | 516  | All other states <sup>1</sup> ..... | 1914         | 32                   | 29      | 3     | 2,128  |
|                    | 1913         | 2,923                | 2,400   | 514   | 520  |                                     | 1913         | 25                   | 23      | 2     | 1,386  |
|                    | 1912         | 3,070                | 2,598   | 472   | 387  |                                     | 1912         | 25                   | 17      | 8     | 649  |
|                    | 1911         | 3,357                | 2,894   | 493   | 403  |                                     | 1911         | 20                   | 13      | 7     | 1,289  |
|                    | 1910         | 3,537                | 3,052   | 485   | 397  |                                     | 1910         | 16                   | 14      | 2     | 705  |
| Missouri.....      | 1914         | 112                  | 98      | 14    | 800  |                                     |              |                      |         |       |  |
|                    | 1913         | 114                  | 102     | 12    | 625  |                                     |              |                      |         |       |  |
|                    | 1912         | 113                  | 103     | 10    | 520  |                                     |              |                      |         |       |  |
|                    | 1911         | 108                  | 105     | 3     | 363  |                                     |              |                      |         |       |  |
|                    | 1910         | 98                   | 93      | 5     | 634  |                                     |              |                      |         |       |  |

<sup>1</sup> Includes Arizona, California, Kansas, Kentucky, and New Mexico.

Notwithstanding the decided increase in the quantity of cotton ginned from the crops of 1911, 1912, 1913, and 1914, as compared with previous years, the total number of active ginneries has been decreasing. Oklahoma shows an increase of 27 active ginneries in 1914 over the number in 1913, Tennessee 10, Texas 9, and "All other states" 6. But each of the other states reports a decrease, North Carolina showing a loss of 90, Mississippi 50, Arkansas 43, and South Carolina 35.

The average number of bales ginned per establishment was 648 in 1914, 567 in 1913, 535 in 1912, 592 in 1911, and 443 in 1910, the size of the crop necessarily affecting the average. As a result of the more general use of larger and more modern ginneries in the newer portions of the cotton belt, the average number of bales ginned per establishment is naturally larger for those sections.

It is the practice of the bureau to retain on the official list and to class as "idle," in addition to the active ginneries, all establishments which contain the machinery necessary for ginning and which may be operated at some future time, and to drop from the list as "dismantled" only those not properly equipped with ginning machinery. This, in part, accounts for the

relatively large number of idle establishments. The numbers of active and of idle ginneries in each county are shown in Table 17.

## GINNING MACHINERY.

Special inquiries were made with regard to ginning machinery in use during the past season, and the results are given in Table 13. These statistics will be found especially interesting in showing the changes in power used and the tendency toward consolidation in the ginning industry. Large modern plants are displacing the small and poorly equipped ones, and as the number of active establishments decreases the number of gins and machines and the number of saws operated increase.

Of the 24,547 ginneries active for the crop of 1914, all but 129 reported saw gins. These 129 establishments were engaged principally in ginning sea-island cotton, although a few establishments in Arizona and in South Carolina were operated on the better varieties of long-staple cotton. There are also a number of establishments equipped with both saw and roller gins. Where this is the case they have been reported as equipped with saw gins, and this portion of the equipment included.

## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 13.—NUMBER OF ACTIVE GINNERIES, NUMBER OF GINS AND SAWS, AVERAGE NUMBER OF SAWS PER GIN, BY STATES:

| STATE.                              | Year. | Active ginneries. <sup>1</sup> | Gins.  | Saws.     | Average number of saws per ginnery. | GINNERIES CLASSIFIED ACCORDING TO POWER USED. |        |           |                     |       |         |            |       |         |
|-------------------------------------|-------|--------------------------------|--------|-----------|-------------------------------------|---|--------|-----------|---------------------|-------|---------|------------|-------|---------|
|                                     |       |                                |        |           |                                     | Steam. <sup>2</sup>                           |        |           | Water. <sup>3</sup> |       |         | Gasoline.  |       |         |
|                                     |       |                                |        |           |                                     | Ginneries.                                    | Gins.  | Saws.     | Ginneries.          | Gins. | Saws.   | Ginneries. | Gins. | Saws.   |
| United States.....                  | 1914  | 21,418                         | 61,181 | 4,193,556 | 172                                 | 21,045  | 55,309 | 3,807,334 | 1,069               | 1,455 | 88,433  | 1,922      | 2,978 | 194,404 |
|                                     | 1909  | 26,431                         | 67,339 | 3,709,835 | 140                                 | 23,706  | 53,683 | 3,484,701 | 1,544               | 1,954 | 115,704 | 806        | 1,113 | 70,805  |
|                                     | 1906  | 28,486                         | 64,563 | 3,597,400 | 126                                 | 25,092  | 51,173 | 3,403,845 | 1,825               | 2,194 | 120,040 | 438        | 552   | 34,005  |
| Alabama.....                        | 1914  | 2,975                          | 6,497  | 436,983   | 147                                 | 2,508   | 5,799  | 393,093   | 259                 | 339   | 20,370  | 170        | 246   | 15,745  |
|                                     | 1909  | 3,408                          | 6,186  | 401,955   | 118                                 | 2,843   | 5,494  | 361,000   | 390                 | 487   | 28,445  | 110        | 140   | 8,940   |
|                                     | 1906  | 3,658                          | 6,150  | 393,320   | 108                                 | 2,996   | 5,380  | 349,500   | 450                 | 545   | 31,170  | 88         | 113   | 7,180   |
| Arkansas.....                       | 1914  | 1,880                          | 4,273  | 297,047   | 158                                 | 1,781   | 4,103  | 285,502   | 36                  | 36    | 2,000   | 46         | 78    | 5,000   |
|                                     | 1909  | 2,031                          | 5,720  | 267,908   | 131                                 | 1,964   | 5,637  | 262,658   | 55                  | 58    | 3,160   | 18         | 20    | 1,380   |
|                                     | 1906  | 2,312                          | 3,929  | 263,205   | 114                                 | 2,203   | 3,515  | 237,230   | 66                  | 67    | 3,515   | 9          | 13    | 770     |
| Florida.....                        | 1914  | 140                            | 252    | 16,345    | 110                                 | 115   | 207    | 13,730    | 18                  | 19    | 1,145   | 15         | 25    | 1,400   |
|                                     | 1909  | 156                            | 220    | 14,010    | 90                                  | 121   | 184    | 11,800    | 20                  | 30    | 1,780   | 5          | 5     | 330     |
|                                     | 1906  | 178                            | 233    | 14,505    | 81                                  | 135   | 160    | 12,000    | 34                  | 34    | 1,925   | 5          | 5     | 310     |
| Georgia.....                        | 1914  | 3,846                          | 9,688  | 648,612   | 169                                 | 3,245   | 8,664  | 583,157   | 242                 | 330   | 20,370  | 299        | 420   | 26,405  |
|                                     | 1909  | 4,374                          | 8,817  | 539,925   | 130                                 | 3,815   | 8,044  | 524,761   | 368                 | 477   | 27,584  | 142        | 190   | 11,080  |
|                                     | 1906  | 4,529                          | 8,228  | 518,275   | 114                                 | 3,940   | 7,404  | 477,155   | 443                 | 500   | 31,700  | 88         | 103   | 5,805   |
| Louisiana.....                      | 1914  | 1,187                          | 2,267  | 155,407   | 131                                 | 1,116   | 2,161  | 148,282   | 21                  | 21    | 1,325   | 44         | 72    | 4,930   |
|                                     | 1909  | 1,431                          | 2,597  | 176,015   | 122                                 | 1,390   | 2,510  | 171,340   | 20                  | 34    | 2,115   | 5          | 5     | 350     |
|                                     | 1906  | 2,076                          | 3,524  | 237,475   | 114                                 | 2,014   | 3,446  | 232,780   | 37                  | 41    | 2,410   | 4          | 5     | 350     |
| Mississippi.....                    | 1914  | 2,359                          | 5,398  | 376,434   | 160                                 | 2,211   | 5,130  | 350,753   | 71                  | 60    | 4,891   | 57         | 68    | 6,720   |
|                                     | 1909  | 3,283                          | 6,537  | 443,702   | 135                                 | 3,064   | 6,249  | 426,202   | 130                 | 164   | 10,010  | 33         | 38    | 2,385   |
|                                     | 1906  | 3,780                          | 6,789  | 457,725   | 121                                 | 3,478   | 6,456  | 438,080   | 167                 | 171   | 10,015  | 18         | 21    | 1,330   |
| North Carolina.....                 | 1914  | 2,025                          | 4,200  | 277,452   | 106                                 | 1,895   | 3,214  | 210,760   | 138                 | 170   | 10,355  | 513        | 620   | 38,257  |
|                                     | 1909  | 2,781                          | 3,859  | 242,160   | 87                                  | 2,342   | 3,316  | 209,585   | 201                 | 231   | 13,280  | 186        | 202   | 12,075  |
|                                     | 1906  | 2,792                          | 3,648  | 223,815   | 80                                  | 2,422   | 3,236  | 200,775   | 237                 | 258   | 14,415  | 76         | 80    | 4,640   |
| Oklahoma.....                       | 1914  | 1,062                          | 3,062  | 279,903   | 264                                 | 1,028   | 3,852  | 271,935   | 2                   | 3     | 220     | 19         | 57    | 4,098   |
|                                     | 1909  | 807                            | 3,180  | 223,080   | 249                                 | 800   | 3,163  | 221,930   | 3                   | 6     | 380     | 1          | 3     | 210     |
|                                     | 1906  | 930                            | 3,169  | 220,130   | 234                                 | 927   | 3,141  | 218,190   | 8                   | 15    | 690     | 2          | 5     | 350     |
| South Carolina.....                 | 1914  | 3,144                          | 5,854  | 361,589   | 125                                 | 2,398   | 4,741  | 317,821   | 249                 | 200   | 17,885  | 471        | 603   | 38,970  |
|                                     | 1909  | 3,150                          | 5,121  | 332,835   | 105                                 | 2,688   | 4,495  | 293,145   | 257                 | 208   | 17,965  | 179        | 214   | 13,610  |
|                                     | 1906  | 3,078                          | 4,700  | 299,985   | 97                                  | 2,663   | 4,206  | 270,370   | 278                 | 313   | 17,995  | 93         | 104   | 6,355   |
| Tennessee.....                      | 1914  | 575                            | 1,395  | 97,724    | 170                                 | 519   | 1,281  | 89,989    | 14                  | 21    | 1,330   | 28         | 44    | 3,015   |
|                                     | 1909  | 633                            | 1,277  | 87,715    | 139                                 | 590   | 1,213  | 83,725    | 18                  | 26    | 1,695   | 9          | 10    | 670     |
|                                     | 1906  | 702                            | 1,244  | 84,085    | 120                                 | 635   | 1,172  | 80,240    | 27                  | 32    | 1,785   | 3          | 3     | 180     |
| Texas.....                          | 1914  | 4,361                          | 16,838 | 1,182,574 | 271                                 | 4,061   | 15,805 | 1,169,792 | 41                  | 119   | 8,142   | 200        | 642   | 45,000  |
|                                     | 1909  | 4,657                          | 13,461 | 928,820   | 220                                 | 3,892   | 13,009 | 897,615   | 54                  | 133   | 8,850   | 86         | 258   | 18,165  |
|                                     | 1906  | 4,232                          | 12,560 | 861,465   | 204                                 | 4,100   | 12,340 | 847,450   | 70                  | 144   | 9,460   | 36         | 83    | 5,705   |
| All other states <sup>4</sup> ..... | 1914  | 255                            | 497    | 33,481    | 131                                 | 165   | 343    | 23,597    | 8                   | 8     | 400     | 60         | 73    | 4,204   |
|                                     | 1909  | 201                            | 352    | 22,710    | 113                                 | 162   | 309    | 20,220    | 10                  | 10    | 540     | 26         | 28    | 1,610   |
|                                     | 1906  | 210                            | 331    | 20,415    | 97                                  | 179   | 297    | 18,585    | 12                  | 13    | 600     | 16         | 17    | 1,030   |

<sup>1</sup> Does not include 129 establishments in 1914, 238 in 1909, and 223 in 1906, which do not use saws.<sup>2</sup> Includes 15 establishments using steam and gasoline and 11 using steam and electric power in 1914, and 4 establishments using steam and gasoline and 3 using steam and electric power in 1909.

## COTTON PRODUCTION IN THE UNITED STATES.

27

ESTABLISHMENT, AND CLASSIFICATION OF GINNERIES ACCORDING TO KIND OF POWER USED AND NUMBER OF 1906, 1909, AND 1914.

| STATE.                              | Year. | GINNERIES CLASSIFIED ACCORDING TO POWER USED—contd. |       |        |             |       |         | GINNERIES CLASSIFIED ACCORDING TO NUMBER OF SAWS. |                      |                       |                        |                        |               |
|-------------------------------------|-------|---|-------|--------|-------------|-------|---------|---|----------------------|-----------------------|------------------------|------------------------|---------------|
|                                     |       | Animal.   |       |        | Electric.   |       |         | Less than 50.                                     | 50 but less than 75. | 75 but less than 100. | 100 but less than 200. | 200 but less than 500. | 500 and over. |
|                                     |       | Gin-neries.   | Gins. | Saws.  | Gin-neries. | Gins. | Saws.   |   |                      |                       |                        |                        |               |
| United States.....                  | 1914  | 40  | 41    | 1,970  | 342         | 1,398 | 101,415 | 311   | 6,590                | 1,015                 | 7,751                  | 7,995                  | 756           |
|                                     | 1909  | 199   | 199   | 9,505  | 116         | 420   | 29,120  | 712   | 9,754                | 1,227                 | 8,264                  | 6,017                  | 457           |
|                                     | 1906  | 481   | 482   | 22,810 | 50          | 152   | 10,700  | 1,117   | 11,916               | 1,514                 | 8,296                  | 5,306                  | 337           |
| Alabama.....                        | 1914  | 9   | 9     | 420    | 29          | 104   | 7,450   | 63  | 831                  | 183                   | 1,177                  | 659                    | 62            |
|                                     | 1909  | 50  | 50    | 2,250  | 4           | 15    | 660     | 167   | 1,304                | 209                   | 1,180                  | 450                    | 38            |
|                                     | 1906  | 116   | 116   | 5,200  | 2           | 4     | 270     | 249   | 1,634                | 254                   | 1,115                  | 364                    | 42            |
| Arkansas.....                       | 1914  | 2   | 2     | 100    | 15          | 54    | 3,845   | 16  | 434                  | 84                    | 751                    | 571                    | 24            |
|                                     | 1909  | 14  | 14    | 710    | -----       | ----- | -----   | 42  | 691                  | 148                   | 767                    | 387                    | 16            |
|                                     | 1906  | 34  | 34    | 1,690  | -----       | ----- | -----   | 57  | 1,007                | 218                   | 747                    | 266                    | 17            |
| Florida.....                        | 1914  | -----   | ----- | -----  | 1           | 1     | 70      | 4   | 78                   | 9                     | 38                     | 20                     | -----         |
|                                     | 1909  | 1   | 1     | 40     | -----       | ----- | -----   | 5   | 97                   | 25                    | 25                     | 4                      | -----         |
|                                     | 1906  | 3   | 3     | 120    | 1           | 1     | 60      | 19  | 104                  | 20                    | 28                     | 7                      | -----         |
| Georgia.....                        | 1914  | 8   | 8     | 330    | 52          | 257   | 18,340  | 80  | 1,037                | 110                   | 1,362                  | 1,115                  | 142           |
|                                     | 1909  | 25  | 25    | 1,000  | 24          | 81    | 5,440   | 200   | 1,035                | 160                   | 1,489                  | 811                    | 70            |
|                                     | 1906  | 51  | 52    | 2,295  | 7           | 19    | 1,200   | 297   | 1,957                | 179                   | 1,417                  | 633                    | 40            |
| Louisiana.....                      | 1914  | 3   | 3     | 170    | 3           | 10    | 700     | 8   | 430                  | 69                    | 449                    | 225                    | 5             |
|                                     | 1909  | 5   | 5     | 300    | 2           | 13    | 910     | 12  | 588                  | 84                    | 524                    | 211                    | 41            |
|                                     | 1906  | 19  | 19    | 1,015  | 2           | 13    | 920     | 22  | 938                  | 161                   | 701                    | 211                    | 13            |
| Mississippi.....                    | 1914  | 7   | 8     | 460    | 13          | 66    | 4,610   | 12  | 505                  | 141                   | 1,019                  | 637                    | 45            |
|                                     | 1909  | 43  | 43    | 2,505  | 8           | 38    | 2,600   | 35  | 1,098                | 216                   | 1,308                  | 585                    | 41            |
|                                     | 1906  | 122   | 122   | 6,110  | 5           | 19    | 1,290   | 89  | 1,521                | 319                   | 1,266                  | 551                    | 34            |
| North Carolina.....                 | 1914  | 5   | 5     | 200    | 74          | 251   | 17,880  | 64  | 1,377                | 125                   | 767                    | 277                    | 15            |
|                                     | 1909  | 22  | 22    | 970    | 80          | 88    | 6,250   | 125   | 1,739                | 130                   | 625                    | 155                    | 7             |
|                                     | 1906  | 49  | 49    | 2,155  | 8           | 25    | 1,830   | 201   | 1,838                | 135                   | 498                    | 117                    | 3             |
| Oklahoma.....                       | 1914  | -----   | ----- | -----  | 13          | 50    | 3,650   | -----   | 8                    | 3                     | 121                    | 903                    | 27            |
|                                     | 1909  | -----   | ----- | -----  | 3           | 8     | 560     | -----   | 9                    | 2                     | 185                    | 678                    | 23            |
|                                     | 1906  | -----   | ----- | -----  | 2           | 8     | 600     | -----   | 27                   | 5                     | 239                    | 640                    | 28            |
| South Carolina.....                 | 1914  | 3   | 3     | 120    | 53          | 217   | 16,790  | 25  | 1,484                | 215                   | 901                    | 452                    | 67            |
|                                     | 1909  | 11  | 11    | 505    | 24          | 105   | 7,010   | 71  | 1,771                | 164                   | 817                    | 315                    | 31            |
|                                     | 1906  | 27  | 27    | 1,175  | 17          | 50    | 3,590   | 123   | 1,873                | 112                   | 680                    | 270                    | 14            |
| Tennessee.....                      | 1914  | -----   | ----- | -----  | 14          | 46    | 3,380   | 4   | 103                  | 36                    | 211                    | 211                    | 10            |
|                                     | 1909  | 10  | 10    | 475    | 6           | 18    | 1,250   | 10  | 199                  | 44                    | 214                    | 162                    | 4             |
|                                     | 1906  | 37  | 37    | 1,880  | -----       | ----- | -----   | 11  | 301                  | 50                    | 212                    | 125                    | 3             |
| Texas.....                          | 1914  | 3   | 3     | 170    | 53          | 269   | 19,470  | 7   | 206                  | 32                    | 904                    | 2,851                  | 358           |
|                                     | 1909  | 12  | 12    | 650    | 13          | 49    | 3,540   | 11  | 481                  | 39                    | 1,095                  | 2,214                  | 217           |
|                                     | 1906  | 21  | 21    | 1,090  | 5           | 11    | 760     | 10  | 619                  | 56                    | 1,351                  | 2,059                  | 137           |
| All other states <sup>4</sup> ..... | 1914  | -----   | ----- | -----  | 22          | 73    | 5,220   | 28  | 97                   | 8                     | 51                     | 70                     | 1             |
|                                     | 1909  | 1   | 1     | 40     | 2           | 4     | 300     | 34  | 82                   | 7                     | 35                     | 42                     | 1             |
|                                     | 1906  | 2   | 2     | 80     | 1           | 2     | 120     | 39  | 97                   | 5                     | 36                     | 33                     | -----         |

<sup>3</sup> Includes 14 establishments using water and steam and 6 using water and gasoline in 1914, and 29 establishments using water and steam and 2 using water and gasoline in 1909, and 39 using water and steam and 1 using water and gasoline in 1906.

<sup>4</sup> Includes Arizona, California, Kansas, Kentucky, Missouri, New Mexico, and Virginia.

In the eight years from 1906 to 1914 the number of active establishments equipped with saw gins decreased by 4,068, or 14.3 per cent, but the number of gin stands in them increased by 6,628, or 12.1 per cent, and the number of saws by 596,156, or 16.6 per cent. During this period the number of saws per ginnery increased from 126 to 172, or 36.5 per cent. Under perfect conditions of operating, the average yield of lint cotton per saw is probably about 6 pounds per hour.

*Classification of ginneries according to power used.*—Of the total number of ginneries in 1914 shown in Table 13, 21,045, or 86.2 per cent, used steam power; 1,069, or 4.4 per cent, water power; 1,922, or 7.9 per cent, gasoline power; 342, or 1.4 per cent, electric power; and 40, animal power.

There has been a considerable falling off in the number of establishments employing steam, during the period covered by Table 13, a reduction of about 41.4 per cent in those using water, while the number of establishments employing animal power dropped from 481 to 40. On the other hand, the number of establishments using gasoline power more than quadrupled, while those using electric power increased from 50 to 342. The ginneries using electric power are very widely distributed, showing on the average from three to four stands per establishment, thus indicating that they are above the average in importance. An interesting reference in this connection is that all of the ginneries in California are operated by electric power.

*Classification of ginneries according to number of saws.*—There has been a marked falling off in the number of establishments reporting less than 200 saws, particularly in those reporting less than 75 saws, indicating in a very forceful manner the substitution of the larger ginneries for the small and less economically operated ones. In Texas 3,212, or 73.7 per cent of the total for the state, reported more than 200 saws, and 358 reported more than 500 saws each. Oklahoma also shows a very high proportion having more than 200 saws each, 87.6 per cent of the total for the state being in these classes. Georgia and the Carolinas still have a large number of the smaller establishments. Each of these states, however, is following the general tendency to establish the larger plants.

#### ACREAGE AND PRODUCTION.

Table 14 shows, by states, for selected years, the cotton acreage harvested, together with the production.

According to the revised estimate of the Department of Agriculture, the area planted in cotton in 1914 was 37,406,000 acres, of which 574,000 acres, or 1.5 per cent, were abandoned, leaving 36,832,000 acres as the area from which the crop was harvested. With the exception of 1913 this is the largest acreage—both planted and harvested—for any year. With the exception of North Carolina, all the states in the eastern section of the cotton belt show an increased acreage harvested as compared with 1913. Texas shows a reduction of 666,000 acres, while Missouri, including California and the other less important cotton-growing states, shows a relatively large increase, due mostly to the extension of the culture in California. The average production of lint per acre in 1914, as estimated by the Department of Agriculture, was 209 pounds, which compares with 182 pounds in 1913, 191 pounds in 1912, and 208 pounds in 1911. The average yield per acre in North Carolina was 290 pounds, in Missouri 270 pounds, in South Carolina 255 pounds, in Georgia 239 pounds, and in California, where cotton is grown on irrigated land, 500 pounds. In Oklahoma the average was 212 pounds, compared with only 132 pounds in 1913. When conditions are favorable the yield of cotton in some localities approaches a bale to the acre. This is largely the result of improved cultural methods, which involve thorough preparation of the soil, the use of commercial fertilizers, rotation of cotton with leguminous crops, and rapid and intelligent cultivation. With the more general adoption of intensive farming there may be a large increase in production without any further extension of acreage.

In 1839 cotton was grown in Delaware, Maryland, Indiana, and Illinois, the last-named state alone producing more than 5,000 bales. Under the stimulus of the high prices following the Civil War, cotton was grown to a limited extent in West Virginia, Nevada, California, Illinois, and Utah, in all of which states its cultivation subsequently ceased. New Mexico, which produced more than 7,000 pounds of cotton in 1859, and afterwards abandoned its culture, has again established the industry, while California, as previously stated, has also resumed the cultivation of cotton.

TABLE 14.—COTTON ACREAGE HARVESTED AND PRODUCTION, BY STATES, FOR SELECTED YEARS: 1839 TO 1914.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are excluded. Census statistics of acreage prior to 1879 are not available. The statistics of acreage and of production for the census years 1879, 1889, 1899, and 1909, and those of production since 1898, are census figures based on actual canvass, while the others are as estimated by the United States Department of Agriculture.]

| GROWTH YEAR.                  | United States. | Alabama.  | Arkansas. | Florida. | Georgia.  | Louisiana. | Mississippi. | Missouri. <sup>1</sup> | North Carolina. | Oklahoma. | South Carolina. | Tennessee. | Texas.     | Virginia. |
|-------------------------------|----------------|-----------|-----------|----------|-----------|------------|--------------|------------------------|-----------------|-----------|-----------------|------------|------------|-----------|
| 1914—Acres.....               | 36,832,000     | 4,007,000 | 2,480,000 | 221,000  | 5,433,000 | 1,299,000  | 3,054,000    | 212,000                | 1,527,000       | 2,847,000 | 2,861,000       | 915,000    | 11,931,000 | 45,000    |
| Bales.....                    | 15,905,840     | 1,731,751 | 999,237   | 90,648   | 2,723,094 | 452,261    | 1,217,883    | 140,109                | 970,479         | 1,232,638 | 1,590,195       | 372,068    | 4,390,200  | 25,277    |
| 1913—Acres.....               | 37,089,000     | 3,760,000 | 2,502,000 | 188,000  | 5,818,000 | 1,244,000  | 3,067,000    | 126,000                | 1,576,000       | 3,009,000 | 2,790,000       | 865,000    | 12,597,000 | 47,000    |
| Bales.....                    | 13,982,811     | 1,483,669 | 1,038,293 | 66,700   | 2,346,237 | 486,865    | 1,251,841    | 95,629                 | 837,995         | 1,418,704 | 1,418,704       | 306,786    | 3,773,024  | 24,569    |
| 1912—Acres.....               | 34,283,000     | 3,730,000 | 1,991,000 | 224,000  | 5,335,000 | 929,000    | 2,880,000    | 112,000                | 1,545,000       | 2,665,000 | 2,695,000       | 783,000    | 11,338,000 | 47,000    |
| Bales.....                    | 13,488,539     | 1,328,297 | 770,937   | 58,833   | 1,812,778 | 874,793    | 1,004,376    | 64,573                 | 906,351         | 1,005,109 | 1,224,245       | 207,439    | 4,045,309  | 25,490    |
| 1911—Acres.....               | 36,045,000     | 4,017,000 | 2,363,000 | 308,000  | 5,504,000 | 1,075,000  | 3,340,000    | 141,000                | 1,624,000       | 3,050,000 | 2,800,000       | 837,000    | 10,943,000 | 43,000    |
| Bales.....                    | 15,553,073     | 1,695,284 | 908,014   | 94,471   | 2,794,295 | 380,826    | 1,169,066    | 107,879                | 1,126,276       | 1,016,538 | 1,224,146       | 430,027    | 4,107,132  | 31,009    |
| 1910—Acres.....               | 32,403,000     | 3,560,000 | 2,238,000 | 257,000  | 4,873,000 | 975,000    | 3,317,000    | 109,000                | 1,478,000       | 2,204,000 | 2,534,000       | 765,000    | 10,000,000 | 33,000    |
| Bales.....                    | 11,568,334     | 1,192,179 | 798,156   | 67,172   | 1,812,178 | 246,788    | 1,212,104    | 68,694                 | 753,087         | 919,842   | 1,210,908       | 321,103    | 2,949,968  | 10,095    |
| 1909—Acres.....               | 32,044,000     | 3,731,000 | 2,153,000 | 263,000  | 4,883,000 | 957,000    | 3,400,000    | 106,000                | 1,274,000       | 1,977,000 | 2,557,000       | 788,000    | 9,930,000  | 25,000    |
| Bales.....                    | 10,072,731     | 1,040,137 | 697,693   | 61,877   | 1,850,125 | 358,459    | 1,073,105    | 46,785                 | 933,746         | 1,977,000 | 1,337,382       | 240,757    | 2,469,331  | 10,746    |
| 1908—Acres.....               | 32,444,000     | 3,591,000 | 2,296,000 | 265,000  | 4,848,000 | 1,550,000  | 3,395,000    | 87,000                 | 1,458,000       | 2,311,000 | 2,545,000       | 754,000    | 9,316,000  | 28,000    |
| Bales.....                    | 13,086,005     | 1,332,003 | 996,093   | 70,598   | 1,977,050 | 466,543    | 1,620,325    | 60,025                 | 983,628         | 1,689,345 | 1,216,848       | 334,084    | 3,627,350  | 13,113    |
| 1907—Acres.....               | 31,311,000     | 3,439,000 | 1,950,000 | 265,000  | 4,774,000 | 1,622,000  | 3,220,000    | 71,000                 | 1,408,000       | 2,196,000 | 2,426,000       | 749,000    | 9,156,000  | 35,000    |
| Bales.....                    | 9,897,822      | 1,113,093 | 751,851   | 56,683   | 1,860,227 | 662,032    | 1,442,881    | 36,415                 | 937,901         | 1,948,977 | 1,193,565       | 266,433    | 2,208,021  | 9,602     |
| 1906—Acres.....               | 31,374,000     | 3,658,000 | 2,097,000 | 283,000  | 4,610,000 | 1,739,000  | 3,403,000    | 91,000                 | 1,374,000       | 1,981,000 | 2,389,000       | 814,000    | 8,894,000  | 36,000    |
| Bales.....                    | 12,983,201     | 1,241,133 | 894,268   | 61,473   | 1,632,703 | 955,473    | 1,483,408    | 53,684                 | 611,258         | 1,981,000 | 1,912,602       | 233,023    | 3,957,619  | 14,566    |
| 1905—Acres.....               | 26,117,153     | 3,500,168 | 1,718,751 | 256,173  | 3,738,703 | 1,561,774  | 3,051,255    | 66,444                 | 1,085,568       | 1,234,822 | 2,161,923       | 757,397    | 6,045,501  | 38,664    |
| Bales.....                    | 9,582,105      | 1,228,900 | 598,915   | 78,838   | 1,725,272 | 511,738    | 1,168,039    | 41,664                 | 652,815         | 1,060,027 | 1,112,363       | 209,080    | 2,432,718  | 15,666    |
| 1904—Acres.....               | 30,053,739     | 3,611,731 | 2,051,185 | 287,372  | 4,227,188 | 1,745,865  | 3,632,458    | 79,403                 | 1,306,968       | 1,315,063 | 2,531,875       | 881,341    | 8,355,491  | 47,199    |
| Bales.....                    | 13,451,337     | 1,451,362 | 901,223   | 87,525   | 1,962,890 | 1,083,633  | 1,774,404    | 51,434                 | 740,712         | 706,382   | 1,192,926       | 320,317    | 3,062,203  | 17,216    |
| 1903—Acres.....               | 28,016,893     | 3,608,049 | 1,925,191 | 268,666  | 4,048,912 | 1,642,463  | 3,327,960    | 68,529                 | 1,155,028       | 1,029,357 | 2,318,100       | 733,196    | 7,801,578  | 39,864    |
| Bales.....                    | 9,819,969      | 1,086,067 | 715,588   | 58,572   | 1,305,844 | 818,087    | 1,410,803    | 36,839                 | 553,320         | 1,029,357 | 814,351         | 240,808    | 2,406,146  | 13,631    |
| 1902—Acres.....               | 27,114,103     | 3,501,614 | 1,901,758 | 283,961  | 3,863,542 | 1,617,586  | 3,183,980    | 61,830                 | 1,075,743       | 1,017,090 | 2,205,016       | 754,600    | 7,640,531  | 36,843    |
| Bales.....                    | 10,588,250     | 965,618   | 949,104   | 67,287   | 1,476,534 | 866,911    | 1,423,395    | 42,289                 | 507,530         | 530,709   | 948,005         | 307,102    | 2,427,991  | 10,575    |
| 1901—Acres.....               | 27,220,414     | 3,642,964 | 1,854,482 | 254,596  | 4,006,199 | 1,580,124  | 3,193,570    | 55,183                 | 1,112,260       | 897,673   | 2,248,569       | 737,337    | 7,656,312  | 35,145    |
| Bales.....                    | 9,582,520      | 1,112,892 | 712,492   | 57,144   | 1,373,857 | 834,048    | 1,232,728    | 29,951                 | 450,128         | 871,020   | 731,561         | 194,847    | 2,447,834  | 14,009    |
| 1900—Acres.....               | 25,758,139     | 3,403,746 | 1,742,787 | 235,451  | 3,783,015 | 1,480,781  | 3,104,705    | 50,173                 | 1,091,034       | 709,006   | 2,195,252       | 662,612    | 7,178,015  | 30,572    |
| Bales.....                    | 10,102,102     | 1,028,640 | 801,034   | 55,696   | 1,260,901 | 705,061    | 1,037,029    | 27,130                 | 508,302         | 346,237   | 779,849         | 215,375    | 3,320,015  | 11,833    |
| 1899—Acres.....               | 24,275,101     | 3,202,135 | 1,641,855 | 221,823  | 3,513,839 | 1,376,254  | 2,807,920    | 48,201                 | 1,007,020       | 682,743   | 2,074,081       | 623,137    | 6,901,578  | 25,724    |
| Bales.....                    | 9,393,242      | 1,086,067 | 702,512   | 50,821   | 1,287,886 | 701,062    | 1,230,373    | 19,582                 | 472,770         | 209,611   | 874,744         | 207,551    | 2,525,324  | 9,230     |
| 1898—Acres.....               | 24,967,295     | 3,003,176 | 1,876,407 | 152,452  | 3,535,205 | 1,281,691  | 2,900,298    | 82,498                 | 1,311,709       | 520,799   | 2,353,213       | 896,722    | 6,991,904  | 51,162    |
| Bales.....                    | 11,189,205     | 1,176,042 | 919,409   | 35,064   | 1,378,731 | 717,747    | 1,247,128    | 33,207                 | 920,620         | 316,894   | 1,035,414       | 322,820    | 3,363,100  | 13,990    |
| 1897—Acres.....               | 24,319,584     | 2,709,460 | 1,619,785 | 251,109  | 3,357,702 | 1,245,309  | 2,778,610    | 83,784                 | 1,302,437       | 634,656   | 2,074,778       | 967,077    | 7,164,175  | 50,612    |
| Bales.....                    | 10,897,857     | 1,112,081 | 942,207   | 53,657   | 1,350,781 | 788,325    | 1,524,771    | 27,082                 | 646,726         | 317,561   | 1,030,035       | 268,635    | 2,822,408  | 12,878    |
| 1896—Acres.....               | 23,273,209     | 2,656,333 | 1,542,652 | 264,325  | 3,468,335 | 1,245,309  | 2,835,316    | 70,373                 | 1,228,714       | 219,674   | 2,014,348       | 912,337    | 6,758,650  | 47,747    |
| Bales.....                    | 8,532,705      | 833,789   | 605,643   | 48,730   | 1,299,340 | 567,251    | 1,201,009    | 24,717                 | 521,795         | 122,956   | 836,463         | 236,781    | 2,122,701  | 11,539    |
| 1895—Acres.....               | 20,184,808     | 2,371,725 | 1,186,655 | 191,540  | 3,060,323 | 1,142,568  | 2,487,119    | 48,212                 | 1,050,183       | 238,040   | 1,814,728       | 712,703    | 5,826,428  | 44,623    |
| Bales.....                    | 7,161,094      | 663,916   | 520,860   | 38,722   | 1,067,377 | 513,843    | 1,013,358    | 11,934                 | 397,752         | 82,771    | 764,700         | 172,560    | 1,905,337  | 7,964     |
| 1894—Acres.....               | 23,687,950     | 2,664,861 | 1,483,319 | 201,621  | 3,610,968 | 1,313,298  | 2,826,272    | 72,107                 | 1,266,522       | 262,890   | 2,160,391       | 879,954    | 6,854,621  | 61,128    |
| Bales.....                    | 9,901,251      | 900,439   | 748,206   | 50,720   | 1,247,952 | 760,757    | 1,231,227    | 25,543                 | 479,441         | 135,566   | 862,604         | 304,981    | 3,140,392  | 13,414    |
| 1893—Acres.....               | 19,525,000     | 2,316,000 | 1,867,250 | 165,000  | 3,050,000 | 946,000    | 2,845,400    | 310,670                | 1,180,000       | (2)       | 1,885,000       | 805,920    | 4,153,760  | (2)       |
| Bales.....                    | 7,493,000      | 810,000   | 679,000   | 55,000   | 1,000,000 | 473,000    | 1,050,000    | 103,000                | 400,000         | (2)       | 650,000         | 276,000    | 1,997,000  | (2)       |
| 1889—Acres.....               | 20,175,270     | 2,761,165 | 1,700,578 | 227,370  | 3,345,104 | 1,270,154  | 2,883,278    | 60,620                 | 1,147,136       | 71,187    | 1,987,469       | 747,471    | 3,934,525  | 39,213    |
| Bales.....                    | 7,472,511      | 915,210   | 691,494   | 57,928   | 1,191,846 | 650,180    | 1,164,725    | 16,941                 | 336,261         | 34,540    | 747,190         | 190,579    | 1,471,242  | 5,375     |
| 1884—Acres.....               | 17,439,612     | 2,740,941 | 1,259,858 | 268,111  | 2,958,930 | 922,581    | 2,392,447    | 70,920                 | 1,061,048       | (2)       | 1,716,128       | 815,678    | 3,186,668  | 46,302    |
| Bales.....                    | 6,682,000      | 648,700   | 531,400   | 57,300   | 807,400   | 485,200    | 883,200      | 30,200                 | 404,100         | (2)       | 511,800         | 313,800    | 995,460    | 13,509    |
| 1879—Acres.....               | 14,490,019     | 2,330,086 | 1,042,976 | 245,595  | 2,617,138 | 864,787    | 2,106,215    | 34,783                 | 893,153         | 35,000    | 1,364,249       | 722,562    | 2,178,435  | 45,040    |
| Bales.....                    | 5,755,359      | 699,654   | 608,256   | 54,997   | 814,441   | 508,569    | 963,111      | 21,685                 | 389,598         | 17,000    | 1,364,249       | 330,621    | 805,284    | 19,505    |
| 1869—Bales <sup>3</sup> ..... | 3,011,996      | 429,482   | 247,968   | 39,789   | 473,934   | 350,832    | 564,938      | 2,965                  | 144,935         | .....     | 224,500         | 181,842    | 350,628    | 183       |
| 1859—Bales <sup>3</sup> ..... | 5,387,052      | 680,955   | 367,393   | 65,153   | 701,840   | 777,738    | 1,202,507    | 42,886                 | 145,514         | .....     | 353,412         | 290,404    | 431,463    | 12,727    |
| 1849—Bales <sup>3</sup> ..... | 2,460,093      | 564,429   | 65,344    | 45,131   | 499,091   | 178,737    | 484,292      | 772                    | 73,845          | .....     | 300,991         | 194,532    | 68,072     | 3,947     |
| 1839—Bales <sup>3</sup> ..... | 2,063,015      | 305,846   | 15,741    | 31,620   | 426,612   | 398,317    | 504,965      | 2,662                  | 135,578         | .....     | 161,123         | 72,327     | .....      | 9,124     |

<sup>1</sup> Includes statistics for other cotton-producing localities not named; also for Oklahoma and Virginia in 1893 and for Oklahoma in 1884.

<sup>2</sup> Included with Missouri.

<sup>3</sup> The statistics of bales for 1849, 1859, and 1869 are in equivalent 400-pound bales, as expressed in the census reports for those years; those for 1839 are in equivalent bales of 383 pounds, net weight.

## LOCALIZATION OF COTTON GINNING.

The cotton crop of 1914 was ginned in 897 counties, that of 1913 in 888, that of 1912 in 877. In several instances there were counties in which the ginneries were active for one crop and idle for another, this

fact accounting, in part, for the differences in the number of counties for the different crops. Table 15 gives the number of counties, by states, from which cotton ginning was reported, and classifies the counties according to the total quantities returned by the ginneries.

TABLE 15.—COTTON-PRODUCING COUNTIES CLASSIFIED ACCORDING TO QUANTITY OF COTTON GINNED, BY STATES: 1911, 1912, 1913, AND 1914.

| STATE.             | Year. | NUMBER OF COUNTIES GINNING— |                        |                        |                         |                         |                         |                        | STATE.                | Year. | NUMBER OF COUNTIES GINNING— |                        |                        |                         |                         |                         |                        |
|--------------------|-------|-----------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|-----------------------|-------|-----------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|
|                    |       | Total.                      | Less than 5,000 bales. | 5,000 to 10,000 bales. | 10,000 to 15,000 bales. | 15,000 to 25,000 bales. | 25,000 to 40,000 bales. | 40,000 bales and over. |                       |       | Total.                      | Less than 5,000 bales. | 5,000 to 10,000 bales. | 10,000 to 15,000 bales. | 15,000 to 25,000 bales. | 25,000 to 40,000 bales. | 40,000 bales and over. |
| United States..... | 1914  | 897                         | 245                    | 117                    | 112                     | 179                     | 159                     | 85                     | Missouri.....         | 1914  | 11                          | 8                      | 1                      | 1                       | 1                       | 1                       | 1                      |
|                    | 1913  | 888                         | 265                    | 143                    | 117                     | 174                     | 127                     | 62                     |                       | 1913  | 11                          | 8                      | 1                      | 1                       | 1                       | 1                       | 1                      |
|                    | 1912  | 877                         | 264                    | 145                    | 129                     | 173                     | 109                     | 57                     |                       | 1912  | 10                          | 7                      | 1                      | 1                       | 1                       | 1                       | 1                      |
|                    | 1911  | 853                         | 243                    | 119                    | 122                     | 178                     | 137                     | 84                     |                       | 1911  | 11                          | 7                      | 1                      | 1                       | 1                       | 1                       | 1                      |
| Alabama.....       | 1914  | 67                          | 4                      | 2                      | 7                       | 19                      | 28                      | 7                      | North Carolina.....   | 1914  | 73                          | 23                     | 17                     | 12                      | 7                       | 12                      | 2                      |
|                    | 1913  | 67                          | 3                      | 7                      | 7                       | 23                      | 24                      | 8                      |                       | 1913  | 75                          | 27                     | 21                     | 9                       | 8                       | 9                       | 1                      |
|                    | 1912  | 67                          | 3                      | 6                      | 13                      | 22                      | 20                      | 3                      |                       | 1912  | 75                          | 27                     | 18                     | 10                      | 8                       | 11                      | 1                      |
|                    | 1911  | 67                          | 3                      | 3                      | 8                       | 22                      | 23                      | 8                      |                       | 1911  | 74                          | 21                     | 17                     | 11                      | 11                      | 8                       | 6                      |
| Arkansas.....      | 1914  | 71                          | 16                     | 13                     | 14                      | 20                      | 4                       | 4                      | Oklahoma.....         | 1914  | 66                          | 18                     | 5                      | 4                       | 16                      | 16                      | 7                      |
|                    | 1913  | 71                          | 13                     | 18                     | 11                      | 19                      | 6                       | 4                      |                       | 1913  | 63                          | 15                     | 9                      | 14                      | 16                      | 8                       | 1                      |
|                    | 1912  | 71                          | 18                     | 17                     | 15                      | 17                      | 4                       | 4                      |                       | 1912  | 63                          | 17                     | 5                      | 9                       | 20                      | 10                      | 2                      |
|                    | 1911  | 71                          | 16                     | 14                     | 17                      | 17                      | 5                       | 2                      |                       | 1911  | 66                          | 16                     | 10                     | 6                       | 21                      | 11                      | 2                      |
| Florida.....       | 1914  | 24                          | 17                     | 6                      | 1                       | 1                       | 1                       | 1                      | South Carolina.....   | 1914  | 44                          | 1                      | 3                      | 2                       | 9                       | 17                      | 13                     |
|                    | 1913  | 24                          | 23                     | 1                      | 1                       | 1                       | 1                       | 1                      |                       | 1913  | 44                          | 1                      | 3                      | 2                       | 12                      | 16                      | 10                     |
|                    | 1912  | 24                          | 23                     | 1                      | 1                       | 1                       | 1                       | 1                      |                       | 1912  | 44                          | 1                      | 5                      | 5                       | 11                      | 16                      | 6                      |
|                    | 1911  | 24                          | 19                     | 4                      | 1                       | 1                       | 1                       | 1                      |                       | 1911  | 43                          | 3                      | 3                      | 3                       | 9                       | 13                      | 18                     |
| Georgia.....       | 1914  | 148                         | 22                     | 17                     | 25                      | 43                      | 33                      | 8                      | Tennessee.....        | 1914  | 33                          | 13                     | 4                      | 6                       | 4                       | 5                       | 1                      |
|                    | 1913  | 143                         | 24                     | 19                     | 32                      | 41                      | 21                      | 6                      |                       | 1913  | 32                          | 12                     | 8                      | 1                       | 5                       | 5                       | 1                      |
|                    | 1912  | 142                         | 26                     | 38                     | 32                      | 36                      | 10                      | 1                      |                       | 1912  | 32                          | 16                     | 5                      | 4                       | 6                       | 6                       | 1                      |
|                    | 1911  | 140                         | 20                     | 15                     | 22                      | 41                      | 31                      | 11                     |                       | 1911  | 33                          | 13                     | 4                      | 5                       | 4                       | 6                       | 1                      |
| Louisiana.....     | 1914  | 53                          | 25                     | 7                      | 11                      | 8                       | 2                       | 1                      | Texas.....            | 1914  | 211                         | 55                     | 29                     | 19                      | 39                      | 33                      | 36                     |
|                    | 1913  | 54                          | 27                     | 10                     | 7                       | 5                       | 4                       | 1                      |                       | 1913  | 209                         | 69                     | 35                     | 21                      | 30                      | 25                      | 29                     |
|                    | 1912  | 52                          | 27                     | 9                      | 9                       | 5                       | 1                       | 1                      |                       | 1912  | 204                         | 58                     | 28                     | 18                      | 30                      | 33                      | 37                     |
|                    | 1911  | 52                          | 27                     | 9                      | 7                       | 8                       | 1                       | 1                      |                       | 1911  | 209                         | 70                     | 24                     | 31                      | 23                      | 31                      | 30                     |
| Mississippi.....   | 1914  | 78                          | 31                     | 10                     | 11                      | 12                      | 8                       | 6                      | All other states..... | 1914  | 18                          | 13                     | 4                      | 1                       | 1                       | 1                       | 1                      |
|                    | 1913  | 77                          | 29                     | 9                      | 13                      | 12                      | 8                       | 6                      |                       | 1913  | 18                          | 14                     | 3                      | 1                       | 1                       | 1                       | 1                      |
|                    | 1912  | 76                          | 27                     | 10                     | 13                      | 17                      | 3                       | 6                      |                       | 1912  | 17                          | 14                     | 3                      | 1                       | 1                       | 1                       | 1                      |
|                    | 1911  | 77                          | 19                     | 11                     | 15                      | 20                      | 7                       | 5                      |                       | 1911  | 16                          | 12                     | 4                      | 1                       | 1                       | 1                       | 1                      |

Of the total number of counties reporting cotton ginned from the crop of 1914, 245 returned less than 5,000 equivalent 500-pound bales each, as compared with 265 from the crop of 1913, 264 from the crop of 1912, and 243 from the crop of 1911. For many of these counties the quantity of cotton reported is small, in some cases only one or two ginneries being operated in a county. There were 244 counties which reported more than 25,000 bales in 1914, as compared with 189 in 1913, 166 in 1912 and 221 in 1911. There were 48 counties which reported more than 50,000 bales each, 11 of which—3 in Mississippi, 1 in South Carolina, and 7 in Texas—returned more than 75,000 bales each and 3—Ellis County, Tex., Bolivar County,

Miss., and Williamson County, Tex., in the order in which named—more than 100,000 bales each.

The counties reporting cotton ginned are indicated on the United States map on page 31, while on the state maps (pp. 94 to 102, inclusive) the counties ginning cotton are designated according to the production in 500-pound bales.

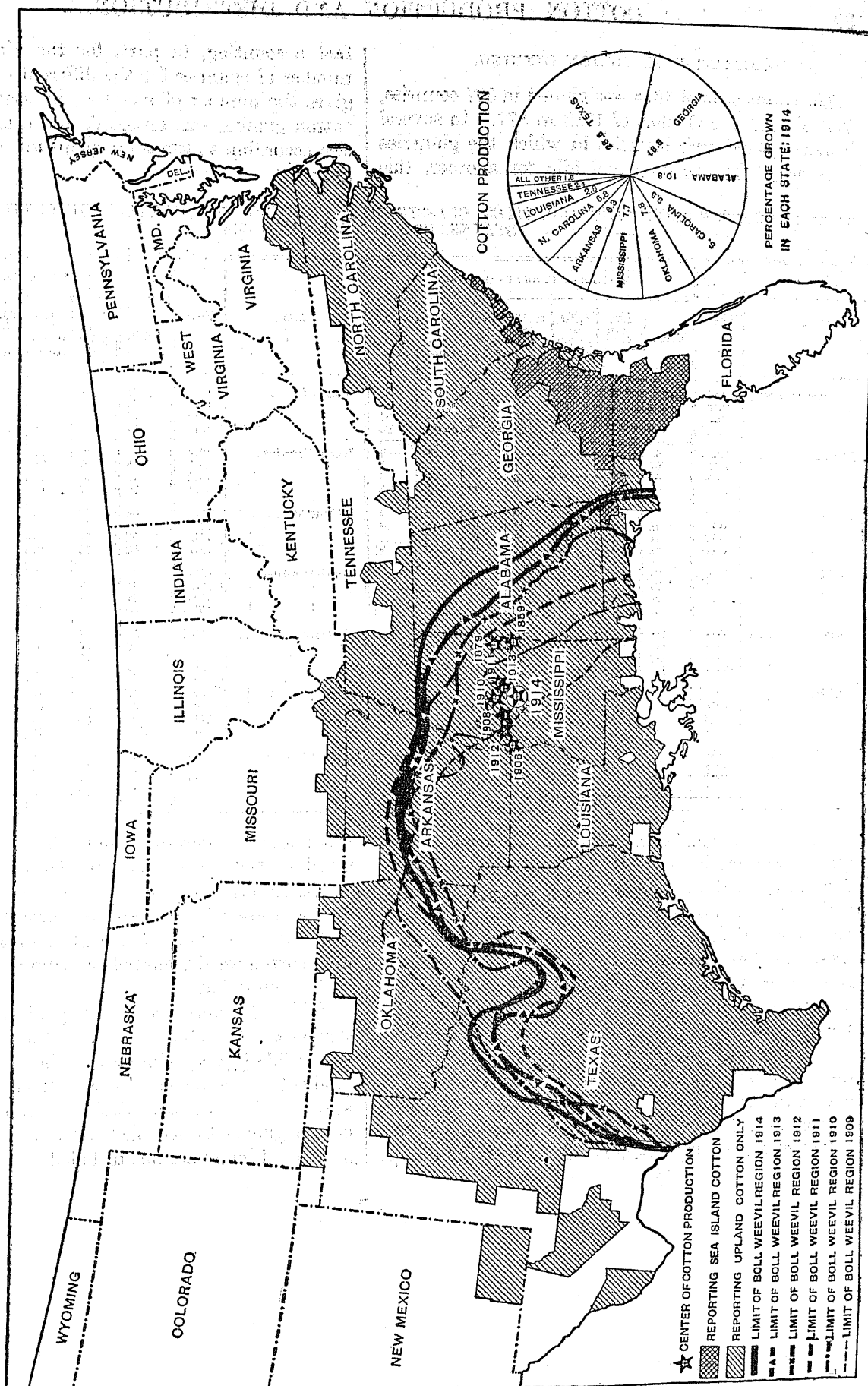
Table 16 shows the quantity of sea-island cotton ginned to December 13 and for the season, by counties, Table 17 gives similar data for sea-island and upland cotton combined, as well as the numbers of active and idle ginneries, and Table 18 presents statistics of cotton ginned to specified dates and throughout the season. Linters are not included.



MAP 1.—COTTON-PRODUCING AREA OF THE UNITED STATES IN 1914, AND CENTER OF PRODUCTION: 1859-1914.

The cotton-producing area of the United States, as shown by the returns of growers, is indicated on the map below. Localities producing upland cotton only are represented by diagonal lines, and those producing sea-island or both sea-island and upland, by intersected lines. On pages 94 and 102 will be found maps of the principal cotton-producing states, upon which are indicated the relative quantities of cotton produced by counties in 1914.

The centers of production in the United States for the crops of 1859, 1879, 1899, 1903, 1910, 1911, 1912, 1913, and 1914 are indicated on the map below. The center of production in 1859 was approximately 13 miles southeast of Macon, in Noxubee County, Miss.; in 1879 it was 11 miles south of Columbus, in Lowndes County; in 1903 it was 4 miles west of Lexington, in Issaquena County; in 1908 it was 3 miles southwest of Vaiden, in Carroll County; in 1911 it was in Attala County, 24 miles southwest of French Camp; in 1912 it was in Sharkey County, 2 miles north of Midland; in 1913 it was in Attala County, 10 miles northwest of Kosciusko; and in 1914 it was 1 mile northwest of Sharpsburg, Madison County.





## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 16.—QUANTITY OF SEA-ISLAND COTTON GINNED FROM THE CROPS OF 1910 TO 1914, BY COUNTIES.

[Cotton shown in this table is also included in Tables 17 and 18.]

| COUNTY.         | SEA-ISLAND CROP (BALES)— |        |        |        |        | SEA-ISLAND COTTON GINNED TO DEC. 13 (BALES)— |        |        |        |        |
|-----------------|--------------------------|--------|--------|--------|--------|--|--------|--------|--------|--------|
|                 | 1914                     | 1913   | 1912   | 1911   | 1910   | 1914   | 1913   | 1912   | 1911   | 1910   |
| <b>FLORIDA.</b> |                          |        |        |        |        |  |        |        |        |        |
| The state ..... | 33,662                   | 25,587 | 22,334 | 41,270 | 29,417 | 30,488                                       | 24,125 | 19,505 | 35,585 | 25,854 |
| Alachua.....    | 6,928                    | 5,912  | 5,203  | 9,839  | 7,027  | 6,436  | 5,725  | 4,661  | 9,055  | 6,391  |
| Baker.....      | 823                      | 724    | 447    | 1,112  | 1,033  | 657  | 701    | 300    | 983    | 916    |
| Bradford.....   | 3,348                    | 2,649  | 1,899  | 4,855  | 3,251  | 3,086  | 2,596  | 1,660  | 4,467  | 2,922  |
| Columbia.....   | 2,825                    | 2,206  | 1,566  | 3,106  | 2,541  | 2,695  | 2,265  | 1,421  | 2,982  | 2,321  |
| Hamilton.....   | 5,407                    | 3,778  | 2,524  | 4,196  | 3,506  | 4,645  | 3,533  | 2,086  | 3,499  | 2,051  |
| Jackson.....    | 64                       | 80     | 131    | 262    | 109    | 48   | 28     | 89     | 200    | 75     |
| Jefferson.....  | 116                      | 125    | 210    | 292    | 169    | 108  | 125    | 195    | 280    | 147    |
| Lafayette.....  | 715                      | 697    | 628    | 1,045  | 814    | 647  | 605    | 581    | 1,004  | 756    |
| Madison.....    | 6,400                    | 4,275  | 4,684  | 9,707  | 6,441  | 5,920  | 3,937  | 4,010  | 7,689  | 5,551  |
| Suwannee.....   | 6,432                    | 4,532  | 4,301  | 5,678  | 3,976  | 5,772  | 4,225  | 3,993  | 5,023  | 3,392  |
| Taylor.....     | 365                      | 181    | 231    | 363    | 323    | 311  | 160    | 199    | 310    | 294    |
| All other.....  | 239                      | 338    | 420    | 815    | 227    | 163  | 221    | 310    | 184    | 132    |

**GEORGIA.**

|                               |        |        |        |        |        |        |        |        |        |        |
|-------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| The state .....               | 42,395 | 43,305 | 43,736 | 72,904 | 47,935 | 37,395 | 39,014 | 35,418 | 58,008 | 32,725 |
| Appling <sup>1</sup> .....    | 820    | 1,815  | 2,070  | 4,590  | 2,854  | 1,358  | 1,606  | 2,107  | 3,514  | 2,415  |
| Bacon.....                    | 937    |        |        |        |        |        |        |        |        |        |
| Berrien.....                  | 8,649  | 8,003  | 7,020  | 11,535 | 7,186  | 7,777  | 7,348  | 6,783  | 9,536  | 6,440  |
| Brooks.....                   | 1,645  | 2,028  | 2,117  | 2,586  | 982    | 1,525  | 1,899  | 1,732  | 2,227  | 917    |
| Bulloch <sup>2,3</sup> .....  | 1,823  | 4,457  | 6,339  | 9,268  | 8,650  | 1,761  | 3,837  | 5,323  | 6,935  | 6,688  |
| Candler <sup>2</sup> .....    | 151    |        |        |        |        |        |        |        |        |        |
| Clinch.....                   | 855    | 555    | 779    | 1,049  | 644    | 701    | 461    | 477    | 757    | 456    |
| Coffee.....                   | 2,723  | 3,109  | 4,125  | 8,372  | 4,932  | 2,189  | 2,741  | 3,116  | 6,499  | 4,216  |
| Colquitt.....                 | 561    | 950    | 1,067  | 2,067  | 610    | 533    | 882    | 957    | 1,728  | 573    |
| Echols.....                   | 296    | 89     | 224    | 530    | 417    | 91     | 89     | 208    | 489    | 375    |
| Emanuel <sup>2</sup> .....    |        | 55     | 173    | 141    | 219    | 14     | 55     | 128    | 125    | 180    |
| Evans <sup>3</sup> .....      | 1,435  |        |        |        |        |        |        |        |        |        |
| Lowndes.....                  | 11,404 | 10,519 | 6,558  | 11,819 | 7,847  | 10,571 | 9,766  | 5,693  | 10,198 | 6,903  |
| Pierce <sup>1</sup> .....     | 4,241  | 2,981  | 2,540  | 5,585  | 2,921  | 3,950  | 2,631  | 1,762  | 4,505  | 2,292  |
| Tattnall <sup>2,3</sup> ..... | 3,813  | 5,397  | 4,936  | 9,066  | 6,817  | 4,405  | 4,751  | 3,941  | 6,823  | 5,401  |
| Ware <sup>1</sup> .....       | 421    | 578    | 568    | 768    | 662    | 357    | 520    | 465    | 617    | 557    |
| Wayne.....                    | 2,165  | 1,893  | 1,726  | 3,204  | 2,312  | 1,845  | 1,718  | 1,244  | 2,397  | 1,799  |
| All other.....                | 453    | 876    | 1,976  | 2,324  | 873    | 318    | 710    | 1,477  | 1,608  | 505    |

**SOUTH CAROLINA.**

|                 |       |       |       |       |        |       |       |       |       |       |
|-----------------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| The state ..... | 5,597 | 8,671 | 7,707 | 5,119 | 13,016 | 3,518 | 6,380 | 5,522 | 4,442 | 9,649 |
| Beaufort.....   | 937   | 1,632 | 1,213 | 649   | 1,538  | 477   | 721   | 515   | 491   | 825   |
| Charleston..... | 4,600 | 7,009 | 6,479 | 4,457 | 11,184 | 3,041 | 5,659 | 4,999 | 3,947 | 8,651 |
| All other.....  |       |       | 15    | 13    | 294    |       |       | 8     | 4     | 173   |

<sup>1</sup> Bacon County organized from parts of Appling, Pierce, and Ware, Jan. 1, 1915.<sup>2</sup> Candler County organized from parts of Bulloch, Emanuel, and Tattnall, Jan. 1, 1915.<sup>3</sup> Evans County organized from parts of Bulloch and Tattnall, Jan. 1, 1915.

TABLE 17.—NUMBER OF GINNERS IN 1914 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1910 TO 1914, BY COUNTIES.

| COUNTY.               | GINNERIES |      | TOTAL QUANTITY GINNED.                             |           |           |           |           |                                       |           |           |           |           | NUMBER OF BALES GINNED TO DEC. 13<br>(COUNTING ROUND AS HALF BALES)— |           |           |           |           |
|-----------------------|-----------|------|--|-----------|-----------|-----------|-----------|---------------------------------------|-----------|-----------|-----------|-----------|--|-----------|-----------|-----------|-----------|
|                       | Active    | Idle | Number of bales (counting round as half<br>bales)— |           |           |           |           | Number of equivalent 500-pound bales— |           |           |           |           | 1914   | 1913      | 1912      | 1911      | 1910      |
|                       |           |      | 1914   | 1913      | 1912      | 1911      | 1910      | 1914                                  | 1913      | 1912      | 1911      | 1910      |  |           |           |           |           |
| ALABAMA.              |           |      |  |           |           |           |           |                                       |           |           |           |           |  |           |           |           |           |
| [See map on page 94.] |           |      |  |           |           |           |           |                                       |           |           |           |           |  |           |           |           |           |
| The state             | 2,975     | 258  | 1,731,751  | 1,463,669 | 1,328,297 | 1,695,284 | 1,192,179 | 1,751,375                             | 1,495,485 | 1,342,275 | 1,716,534 | 1,194,250 | 1,573,140  | 1,444,212 | 1,234,755 | 1,561,136 | 1,123,470 |
| Autauga               | 47        | 1    | 24,538   | 20,542    | 17,812    | 20,252    | 14,887    | 24,828                                | 20,579    | 17,605    | 20,540    | 14,899    | 22,779   | 20,103    | 17,410    | 19,708    | 14,664    |
| Baldwin               | 13        | 1    | 810  | 850       | 1,714     | 3,629     | 2,821     | 837                                   | 848       | 1,747     | 3,711     | 2,855     | 754  | 799       | 1,525     | 3,209     | 2,559     |
| Barbour               | 88        | 10   | 41,469   | 34,752    | 29,973    | 36,225    | 25,759    | 41,452                                | 34,795    | 29,487    | 35,790    | 24,270    | 36,849   | 33,761    | 27,390    | 33,416    | 25,164    |
| Bibb                  | 30        | 5    | 11,883   | 8,343     | 7,300     | 10,056    | 6,964     | 12,427                                | 8,969     | 7,661     | 10,505    | 7,297     | 9,471  | 8,043     | 6,825     | 9,110     | 6,590     |
| Blount                | 44        | 3    | 19,787   | 14,901    | 12,372    | 16,256    | 11,018    | 18,849                                | 14,582    | 11,988    | 15,190    | 10,478    | 16,991   | 14,549    | 11,389    | 14,984    | 10,065    |
| Bullock               | 48        | 3    | 31,111   | 27,205    | 23,756    | 34,574    | 26,412    | 32,791                                | 27,444    | 24,417    | 35,702    | 27,290    | 28,255   | 26,671    | 22,618    | 32,890    | 26,065    |
| Butler                | 53        | 4    | 28,515   | 29,092    | 24,417    | 27,310    | 19,696    | 28,267                                | 26,475    | 25,145    | 28,066    | 20,061    | 26,511   | 25,692    | 23,088    | 26,179    | 19,363    |
| Calhoun               | 58        | 1    | 28,223   | 22,176    | 17,634    | 24,610    | 15,893    | 28,617                                | 21,843    | 17,468    | 24,541    | 15,661    | 25,437   | 21,670    | 16,182    | 22,900    | 14,945    |
| Chambers              | 55        | 7    | 41,621   | 36,285    | 32,682    | 42,862    | 33,493    | 41,771                                | 37,186    | 32,166    | 42,879    | 33,788    | 37,469   | 34,300    | 30,614    | 39,119    | 31,936    |
| Cherokee              | 61        | 7    | 26,336   | 21,739    | 16,725    | 23,145    | 14,946    | 26,046                                | 21,200    | 16,223    | 22,358    | 14,211    | 23,091   | 21,102    | 15,613    | 20,409    | 13,003    |
| Chilton               | 32        | 2    | 22,454   | 16,204    | 15,560    | 20,327    | 14,239    | 22,800                                | 16,223    | 15,299    | 20,148    | 14,037    | 20,672   | 15,959    | 14,959    | 19,207    | 13,839    |
| Choctaw               | 42        | 11   | 4,643  | 5,136     | 10,561    | 15,486    | 11,673    | 4,677                                 | 5,285     | 10,804    | 15,711    | 11,855    | 4,123  | 4,854     | 9,169     | 12,999    | 10,775    |
| Clarke                | 77        | 10   | 11,646   | 10,837    | 17,549    | 21,068    | 15,888    | 12,026                                | 11,401    | 18,146    | 22,816    | 16,501    | 9,717  | 9,650     | 14,081    | 18,031    | 14,056    |
| Clay                  | 59        | 3    | 20,961   | 17,920    | 16,451    | 21,250    | 15,437    | 20,424                                | 17,160    | 15,678    | 20,209    | 14,542    | 18,441   | 16,947    | 14,606    | 19,308    | 14,493    |
| Cleburne              | 34        | 1    | 10,387   | 7,681     | 7,188     | 9,684     | 6,280     | 9,967                                 | 7,000     | 6,537     | 9,200     | 5,577     | 8,653  | 7,345     | 6,272     | 8,718     | 5,707     |
| Coffee                | 42        | 1    | 38,351   | 33,024    | 30,753    | 37,923    | 25,104    | 37,622                                | 32,482    | 30,384    | 37,324    | 24,245    | 34,605   | 32,140    | 28,047    | 35,898    | 24,414    |
| Colbert               | 23        | 2    | 18,039   | 15,025    | 11,419    | 13,675    | 11,614    | 18,613                                | 15,578    | 11,556    | 14,326    | 11,758    | 17,248   | 14,801    | 10,445    | 12,065    | 10,700    |
| Conecuh               | 51        | 2    | 17,256   | 16,276    | 14,919    | 20,138    | 12,580    | 16,901                                | 16,814    | 14,561    | 19,840    | 12,161    | 16,441   | 15,685    | 13,719    | 18,667    | 11,319    |
| Cook                  | 43        | 5    | 18,387   | 16,484    | 15,166    | 18,851    | 12,820    | 17,574                                | 15,571    | 14,468    | 17,761    | 11,884    | 15,888   | 15,609    | 13,723    | 17,109    | 12,245    |
| Covington             | 43        | 1    | 33,570   | 29,169    | 24,647    | 24,471    | 16,194    | 32,133                                | 28,411    | 23,617    | 23,644    | 15,222    | 31,154   | 28,684    | 22,705    | 22,392    | 15,695    |

TABLE 17.—NUMBER OF GINNERIES IN 1914 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1910 TO 1914, BY COUNTIES—Continued.

| COUNTY.            | GINNERIES |      | TOTAL QUANTITY GINNED.                           |        |        |        |        |  |        |        |        |        | NUMBER OF BALES GINNED TO DEC. 13<br>(COUNTING ROUND AS HALF BALES) — |        |        |        |        |
|--------------------|-----------|------|--|--------|--------|--------|--------|--|--------|--------|--------|--------|---|--------|--------|--------|--------|
|                    | Active    | Idle | Number of bales (counting round as half bales) — |        |        |        |        | Number of equivalent 500-pound bales — |        |        |        |        | 1914  | 1913   | 1912   | 1911   | 1910   |
|                    |           |      | 1914   | 1913   | 1912   | 1911   | 1910   | 1914                                   | 1913   | 1912   | 1911   | 1910   |   |        |        |        |        |
| ALABAMA—Continued. |           |      |  |        |        |        |        |  |        |        |        |        |   |        |        |        |        |
| Crenshaw.....      | 41        | 2    | 30,142   | 28,633 | 27,552 | 30,736 | 20,129 | 30,449                                 | 29,572 | 29,244 | 30,466 | 20,371 | 26,700  | 26,854 | 25,053 | 29,168 | 19,942 |
| Cullman.....       | 44        | 1    | 33,660   | 24,123 | 20,675 | 27,914 | 18,807 | 34,147                                 | 23,862 | 20,552 | 27,707 | 18,551 | 30,707  | 23,502 | 19,250 | 25,908 | 17,030 |
| Dale.....          | 40        | 4    | 31,883   | 20,281 | 27,151 | 31,513 | 20,767 | 30,817                                 | 27,583 | 20,402 | 30,252 | 19,308 | 27,532  | 28,649 | 24,845 | 30,185 | 20,272 |
| Dallas.....        | 80        | 9    | 30,377   | 45,466 | 40,854 | 52,783 | 36,432 | 64,253                                 | 46,648 | 41,933 | 53,220 | 38,217 | 58,379  | 45,139 | 39,705 | 51,018 | 34,938 |
| Dekalb.....        | 53        | 4    | 30,402   | 24,188 | 19,255 | 23,004 | 13,891 | 30,657                                 | 22,616 | 18,616 | 22,581 | 13,391 | 26,500  | 23,591 | 17,551 | 21,110 | 10,611 |
| Elmore.....        | 55        | 1    | 33,563   | 30,746 | 27,248 | 32,008 | 24,168 | 33,805                                 | 30,532 | 27,215 | 32,366 | 23,728 | 31,493  | 29,506 | 25,318 | 28,262 | 23,357 |
| Escambia.....      | 17        | 6    | 7,679  | 7,637  | 8,275  | 9,765  | 7,699  | 7,840                                  | 7,752  | 8,628  | 10,322 | 8,116  | 7,412   | 7,581  | 7,842  | 9,132  | 7,452  |
| Etowah.....        | 39        | 3    | 22,538   | 17,838 | 14,285 | 19,687 | 13,251 | 22,773                                 | 17,388 | 13,831 | 19,470 | 12,504 | 10,423  | 17,342 | 11,966 | 17,236 | 11,851 |
| Fayette.....       | 59        | 3    | 19,042   | 14,248 | 12,717 | 14,349 | 10,574 | 19,259                                 | 14,282 | 12,893 | 16,124 | 10,944 | 16,124  | 13,528 | 11,622 | 12,331 | 9,760  |
| Franklin.....      | 27        | 5    | 19,410   | 13,891 | 11,354 | 14,576 | 9,753  | 19,371                                 | 13,955 | 11,327 | 14,626 | 9,693  | 17,306  | 13,378 | 9,759  | 12,291 | 8,875  |
| Geneva.....        | 30        | 2    | 40,153   | 34,014 | 29,317 | 34,269 | 23,196 | 38,890                                 | 32,681 | 29,241 | 33,344 | 22,593 | 36,981  | 33,609 | 28,009 | 32,865 | 22,514 |
| Greene.....        | 25        | 6    | 13,575   | 17,525 | 17,426 | 21,551 | 17,430 | 14,186                                 | 18,422 | 18,844 | 22,835 | 18,333 | 13,010  | 17,309 | 16,580 | 19,965 | 16,915 |
| Hale.....          | 43        | 8    | 23,259   | 20,245 | 22,767 | 27,160 | 17,708 | 24,520                                 | 26,618 | 24,251 | 28,518 | 18,010 | 22,468  | 25,404 | 22,082 | 26,307 | 17,343 |
| Henry.....         | 44        | 2    | 30,852   | 27,219 | 25,585 | 32,998 | 22,636 | 31,185                                 | 27,916 | 26,250 | 33,335 | 22,595 | 27,246  | 24,845 | 30,841 | 22,064 | 17,343 |
| Houston.....       | 34        | 3    | 38,926   | 35,491 | 30,536 | 37,300 | 22,354 | 39,302                                 | 35,889 | 31,855 | 38,717 | 22,595 | 35,411  | 34,949 | 29,392 | 34,865 | 21,426 |
| Jackson.....       | 30        | 3    | 19,919   | 15,565 | 11,699 | 14,181 | 8,840  | 20,417                                 | 16,091 | 11,999 | 14,901 | 9,102  | 16,752  | 14,694 | 10,459 | 11,647 | 7,267  |
| Jefferson.....     | 55        | 5    | 12,874   | 7,957  | 7,212  | 10,932 | 5,937  | 12,920                                 | 7,992  | 7,291  | 11,030 | 6,000  | 10,691  | 7,494  | 6,195  | 9,312  | 5,222  |
| Lamar.....         | 47        | 1    | 18,268   | 15,330 | 12,906 | 17,068 | 13,599 | 18,358                                 | 15,523 | 12,996 | 17,495 | 13,800 | 15,883  | 14,705 | 11,786 | 14,820 | 12,743 |
| Lauderdale.....    | 41        | 1    | 28,215   | 22,083 | 17,479 | 23,436 | 17,306 | 28,604                                 | 22,065 | 17,734 | 24,111 | 17,469 | 26,447  | 21,797 | 15,454 | 19,893 | 16,754 |
| Lawrence.....      | 28        | 1    | 23,530   | 19,018 | 14,934 | 18,687 | 14,573 | 24,264                                 | 19,870 | 15,499 | 18,825 | 14,631 | 22,298  | 18,502 | 13,182 | 15,590 | 12,771 |
| Lee.....           | 43        | 2    | 33,283   | 32,583 | 29,230 | 39,610 | 29,268 | 33,656                                 | 33,854 | 20,169 | 40,202 | 20,373 | 31,300  | 31,502 | 28,320 | 37,471 | 28,532 |
| Limestone.....     | 32        | 2    | 30,500   | 21,493 | 18,012 | 24,755 | 17,340 | 32,382                                 | 22,145 | 19,132 | 26,458 | 18,328 | 27,679  | 21,276 | 15,557 | 20,742 | 15,300 |
| Lowndes.....       | 62        | 3    | 39,281   | 34,107 | 30,465 | 44,060 | 30,732 | 41,442                                 | 35,698 | 31,529 | 45,823 | 31,050 | 36,412  | 33,634 | 29,508 | 41,573 | 29,976 |
| Macon.....         | 37        | 2    | 36,768   | 32,031 | 28,019 | 38,164 | 26,532 | 36,893                                 | 32,223 | 27,515 | 38,645 | 26,585 | 34,908  | 31,524 | 27,399 | 36,699 | 26,352 |
| Madison.....       | 54        | 1    | 43,268   | 31,236 | 24,354 | 28,099 | 23,503 | 44,947                                 | 32,398 | 25,591 | 29,543 | 24,349 | 39,549  | 30,834 | 22,176 | 25,175 | 21,299 |
| Marengo.....       | 48        | 4    | 28,507   | 33,493 | 33,673 | 41,778 | 28,571 | 29,955                                 | 34,277 | 34,245 | 43,416 | 28,874 | 27,888  | 33,008 | 31,967 | 38,945 | 28,012 |
| Marion.....        | 38        | 5    | 20,133   | 14,890 | 11,968 | 15,453 | 10,217 | 19,505                                 | 14,610 | 12,023 | 15,870 | 10,334 | 17,740  | 14,555 | 10,818 | 13,774 | 9,244  |
| Marshall.....      | 49        | 1    | 37,553   | 30,334 | 24,047 | 29,158 | 19,238 | 37,568                                 | 28,945 | 23,460 | 28,260 | 18,191 | 32,416  | 29,622 | 21,448 | 26,374 | 16,263 |
| Mobile.....        | 4         | 2    | 354  | 264    | 301    | 909    | 879    | 354                                    | 242    | 292    | 874    | 889    | 319   | 228    | 231    | 464    | 704    |
| Monroe.....        | 73        | 1    | 24,362   | 22,530 | 23,704 | 29,085 | 21,661 | 24,927                                 | 22,877 | 24,766 | 30,749 | 23,095 | 23,242  | 21,818 | 21,038 | 28,025 | 20,494 |
| Montgomery.....    | 54        | 4    | 54,898   | 45,059 | 44,161 | 50,351 | 35,300 | 56,457                                 | 47,480 | 46,587 | 62,680 | 39,894 | 51,761  | 44,066 | 42,313 | 56,466 | 37,296 |
| Morgan.....        | 38        | 1    | 31,590   | 22,071 | 18,477 | 23,452 | 16,784 | 33,568                                 | 22,883 | 19,005 | 24,484 | 17,445 | 28,065  | 21,629 | 16,511 | 20,626 | 14,535 |
| Perry.....         | 47        | 8    | 35,510   | 32,326 | 30,767 | 32,586 | 23,043 | 37,484                                 | 34,001 | 32,195 | 33,909 | 23,060 | 33,104  | 31,759 | 29,151 | 31,250 | 22,087 |
| Pickens.....       | 41        | 9    | 18,632   | 17,441 | 15,924 | 21,708 | 19,127 | 19,154                                 | 17,804 | 16,316 | 22,255 | 19,674 | 16,069  | 17,007 | 15,106 | 18,623 | 18,042 |
| Pike.....          | 45        | 9    | 44,996   | 42,473 | 40,562 | 48,623 | 32,236 | 45,842                                 | 44,299 | 42,314 | 50,568 | 33,132 | 41,825  | 42,287 | 38,229 | 46,654 | 32,057 |
| Randolph.....      | 62        | 7    | 27,020   | 23,618 | 19,995 | 26,706 | 17,893 | 25,664                                 | 22,711 | 18,971 | 25,526 | 16,494 | 24,237  | 22,605 | 17,955 | 24,312 | 16,523 |
| Russell.....       | 62        | 4    | 37,466   | 31,460 | 25,151 | 37,877 | 27,026 | 37,039                                 | 32,228 | 25,428 | 38,968 | 28,234 | 33,430  | 29,947 | 23,332 | 34,673 | 25,901 |
| St. Clair.....     | 28        | 1    | 16,011   | 12,182 | 9,020  | 13,671 | 8,789  | 16,338                                 | 12,314 | 10,005 | 13,933 | 8,768  | 14,673  | 11,817 | 9,152  | 12,555 | 8,282  |
| Shelby.....        | 30        | 1    | 16,454   | 12,670 | 10,352 | 15,453 | 10,570 | 16,536                                 | 12,840 | 10,393 | 15,719 | 10,819 | 14,659  | 12,394 | 9,664  | 14,286 | 10,225 |
| Sumter.....        | 31        | 14   | 11,571   | 15,713 | 19,436 | 23,652 | 19,677 | 11,485                                 | 16,206 | 19,096 | 24,612 | 19,610 | 10,773  | 15,049 | 18,243 | 21,451 | 19,058 |
| Talladega.....     | 45        | 3    | 38,297   | 36,962 | 20,050 | 39,024 | 29,242 | 38,527                                 | 36,836 | 29,137 | 38,909 | 29,324 | 36,317  | 36,145 | 27,559 | 38,958 | 28,364 |
| Tallapoosa.....    | 52        | 9    | 30,287   | 30,680 | 28,717 | 37,206 | 28,511 | 30,309                                 | 30,253 | 27,782 | 35,024 | 27,310 | 26,882  | 29,464 | 27,240 | 34,390 | 27,793 |
| Tuscaloosa.....    | 73        | 2    | 29,027   | 22,024 | 19,570 | 26,040 | 19,860 | 29,744                                 | 22,860 | 20,254 | 26,004 | 20,634 | 24,552  | 21,244 | 18,395 | 23,065 | 18,547 |
| Walker.....        | 37        | 9    | 12,226   | 8,225  | 7,184  | 9,498  | 5,802  | 12,292                                 | 8,205  | 7,114  | 9,401  | 5,616  | 10,399  | 7,983  | 6,549  | 8,122  | 5,296  |
| Washington.....    | 19        | 5    | 2,073  | 1,607  | 2,250  | 4,431  | 3,568  | 2,135                                  | 1,655  | 2,287  | 4,629  | 3,755  | 1,550   | 2,053  | 3,765  | 3,236  |        |
| Wilcox.....        | 64        | 9    | 30,700   | 30,058 | 28,299 | 39,169 | 25,099 | 30,849                                 | 30,198 | 28,627 | 40,426 | 25,286 | 29,631  | 29,669 | 27,272 | 37,660 | 24,542 |
| Winston.....       | 32        | 1    | 12,652   | 9,058  | 6,977  | 9,141  | 5,323  | 11,736                                 | 8,339  | 6,584  | 8,717  | 4,985  | 11,048  | 8,855  | 6,248  | 7,368  | 4,756  |

## ARKANSAS.

(See map on page 95.)

| The state...      | 1,880 | 156  | 999,237 | 1,038,293 | 770,937 | 908,014 | 798,156 | 1,016,170 | 1,072,846 | 792,048 | 939,302 | 821,233 | 893,965 | 885,979 | 703,329 | 746,802 | 676,259 |
|-------------------|-------|------|---------|-----------|---------|---------|---------|-----------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| Arkansas.....     | 10    | 3    | 4,605   | 6,030     | 5,207   | 6,480   | 4,924   | 4,507     | 6,201     | 5,379   | 6,857   | 5,078   | 3,989   | 4,839   | 4,846   | 4,804   | 4,167   |
| Ashley.....       | 23    | 3    | 15,815  | 21,993    | 16,823  | 12,199  | 12,826  | 16,033    | 22,895    | 17,627  | 12,411  | 13,077  | 15,282  | 18,286  | 16,041  | 11,005  | 12,543  |
| Baxter.....       | 29    | 1    | 2,002   | 2,645     | 2,236   | 3,151   | 3,641   | 2,071     | 2,622     | 2,282   | 3,199   | 3,673   | 1,766   | 2,330   | 2,037   | 2,424   | 2,544   |
| Boone.....        | 4     | 1    | 790     | 581       | 481     | 956     | 882     | 813       | 590       | 480     | 981     | 913     | 610     | 458     | 413     | 730     | 632     |
| Bradley.....      | 22    | ---- | 7,301   | 7,468     | 5,718   | 4,481   | 3,879   | 7,285     | 7,450     | 5,833   | 4,712   | 3,998   | 6,748   | 7,116   | 5,557   | 4,035   | 3,743   |
| Calhoun.....      | 21    | 2    | 6,596   | 6,834     | 5,864   | 4,784   | 3,941   | 6,092     | 7,214     | 5,862   | 4,774   | 3,906   | 6,129   | 6,408   | 5,711   | 4,294   | 3,561   |
| Chicot.....       | 33    | 4    | 20,158  | 22,307    | 10,427  | 11,962  | 20,354  | 20,182    | 22,894    | 10,152  | 11,744  | 20,391  | 15,544  | 16,276  | 6,836   | 6,637   | 16,192  |
| Clark.....        | 34    | 2    | 11,405  | 13,607    | 9,533   | 10,800  | 9,497   | 11,353    | 14,042    | 9,562   | 10,760  | 9,417   | 10,898  | 12,617  | 9,236   | 10,026  | 9,281   |
| Clay.....         | 16    | 1    | 13,677  | 12,194    | 11,575  | 17,740  | 12,877  | 14,866    | 12,548    | 11,936  | 20,011  | 13,881  | 12,220  | 11,461  | 10,136  | 13,844  | 10,362  |
| Cleburne.....     | 17    | 2    | 5,132   | 4,775     | 3,604   | 4,027   | 4,274   | 5,186     | 5,022     | 3,706   | 4,145   | 4,388   | 4,872   | 4,577   | 3,465   | 3,528   | 3,469   |
| Cleveland.....    | 27    | 1    | 10,834  | 10,865    | 9,093   | 7,089   | 5,885   | 10,455    | 10,961    | 8,978   | 7,031   | 5,745   | 10,142  | 10,035  | 8,922   | 6,504   | 5,574   |
| Columbia.....     | 49    | 3    | 26,162  | 23,288    | 20,299  | 18,547  | 12,384  | 26,366    | 23,940    | 20,677  | 18,963  | 12,270  | 25,146  | 22,071  | 20,017  | 18,169  | 12,075  |
| Conway.....       | 36    | 4    | 19,996  | 20,320    | 16,434  | 13,971  | 14,899  | 20,812    | 21,178    | 10,025  | 14,379  | 15,495  | 19,029  | 18,516  | 15,570  | 12,806  | 12,554  |
| Craighead.....    | 18    | 1    | 14,600  | 14,671    | 9,511   | 16,315  | 13,657  | 14,992    | 15,204    | 9,980   | 17,025  | 13,899  | 12,382  | 13,238  | 8,096   | 11,609  | 10,967  |
| Crawford.....     | 25    | 1    | 18,826  | 18,892    | 17,210  | 10,147  | 17,689  | 19,598    | 19,160    | 17,350  | 19,438  | 17,166  | 17,363  | 17,219  | 16,319  | 17,028  | 15,366  |
| Crittenden.....   | 50    | ---- | 49,933  | 35,635    | 20,051  | 42,905  | 36,007  | 51,980    | 39,392    | 21,531  | 45,845  | 38,513  | 37,429  | 28,630  | 14,761  | 31,956  | 28,422  |
| Cross.....        | 14    | 1    | 10,389  | 7,957     | 5,257   | 9,744   | 7,016   | 10,218    | 8,067     | 5,769   | 10,290  | 7,545   | 8,891   | 7,028   | 4,171   | 6,844   | 6,039   |
| Dallas.....       | 25    | 3    | 5,471   | 5,344     | 4,604   | 4,614   | 4,781   | 5,390     | 5,401     | 4,669   | 4,606   | 4,766   | 4,848   | 4,980   | 4,439   | 4,102   | 4,513   |
| Desha.....        | 28    | 7    | 16,345  | 16,047    | 11,143  | 12,473  | 14,114  | 16,965    | 16,759    | 11,422  | 12,758  | 14,176  | 13,437  | 10,753  | 10,085  | 9,810   | 10,704  |
| Drew.....         | 27    | ---- | 15,976  | 18,006    | 14,345  | 12,736  | 12,232  | 15,784    | 17,938    | 14,339  | 12,853  | 12,132  | 14,701  | 14,606  | 13,723  | 10,954  | 11,252  |
| Paulkner.....     | 33    | 1    | 23,068  | 25,306    | 20,685  | 18,029  | 19,539  | 24,060    | 26,500    | 21,636  | 18,480  | 20,641  | 22,018  | 22,845  | 19,861  | 16,409  | 16,210  |
| Franklin.....     | 29    | 3    | 14,141  | 12,395    | 12,814  | 16,126  | 14,336  | 14,121    | 12,360    | 12,763  | 10,265  | 14,368  | 13,522  | 11,963  | 12,514  | 14,062  | 13,085  |
| Fulton.....       | 17    | ---- | 1,812   | 4,083     | 2,780   | 4,304   | 4,075   | 1,825     | 4,126     | 2,818   | 6,139   | 4,180   | 1,598   | 3,678   | 2,602   | 3,965   | 2,877   |
| Garland.....      | 15    | 3    | 1,550   | 2,158     | 1,827   | 3,022   | 1,959   | 1,608     | 2,200     | 1,699   | 3,036   | 1,805   | 1,779   | 2,009   | 1,712   | 2,544   | 1,500   |
| Grant.....        | 18    | 2    | 5,022   | 5,796     | 4,614   | 4,218   | 4,051   | 4,775     | 5,722     | 4,553   | 4,183   | 3,957   | 4,583   | 5,207   | 4,387   | 3,634   | 3,638   |
| Greene.....       | 18    | 1    | 12,322  | 9,938     | 7,622   | 11,558  | 10,066  | 12,573    | 9,819     | 7,770   | 11,900  | 10,901  | 9,642   | 9,001   | 6,399   | 8,461   | 8,488   |
| Hempstead.....    | 32    | 7    | 17,532  | 19,455    | 15,566  | 17,081  | 12,902  | 17,538    | 20,043    | 15,759  | 17,358  | 13,028  | 17,241  | 19,108  | 15,456  | 16,763  | 12,836  |
| Hot Spring.....   | 22    | 2    | 4,486   | 4,617     | 4,260   | 4,438   | 5,206   | 4,370     | 4,542     | 4,198   | 4,283   | 5,081   | 4,182   | 4,301   | 4,145   | 4,012   | 5,067   |
| Howard.....       | 24    | 1    | 8,816   | 10,176    | 9,715   | 10,343  | 9,249   | 8,435     | 10,548    | 10,049  | 10,740  | 9,508   | 8,601   | 10,030  | 9,612   | 9,796   | 9,036   |
| Independence..... | 34    | 1    | 7,629   | 13,036    | 9,823   | 9,649   | 12,955  | 7,614     | 13,104    | 9,872   | 9,751   | 13,385  | 6,999   | 12,015  | 9,353   | 8,627   | 11,053  |

## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 17.—NUMBER OF GINNERIES IN 1914 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1910 TO 1914, BY COUNTIES—Continued.

| COUNTY.             | GINNERIES |      | TOTAL QUANTITY GINNED.                          |        |        |        |        |                                       |        |        |        |        | NUMBER OF BALES GINNED TO DEC. 13<br>(COUNTING ROUND AS HALF BALES)— |        |        |        |        |
|---------------------|-----------|------|---|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|--|--------|--------|--------|--------|
|                     | Ac-tive   | Idle | Number of bales (counting round as half bales)— |        |        |        |        | Number of equivalent 500-pound bales— |        |        |        |        | 1914   | 1913   | 1912   | 1911   | 1910   |
|                     |           |      | 1914  | 1913   | 1912   | 1911   | 1910   | 1914                                  | 1913   | 1912   | 1911   | 1910   |  |        |        |        |        |
| ARKANSAS—Continued. |           |      |   |        |        |        |        |                                       |        |        |        |        |  |        |        |        |        |
| Izard.....          | 37        | 5    | 3,411   | 5,447  | 4,064  | 5,192  | 4,547  | 3,419                                 | 5,292  | 4,116  | 5,283  | 4,712  | 3,128  | 5,092  | 3,867  | 4,442  | 3,677  |
| Jackson.....        | 33        | 1    | 23,744  | 32,927 | 20,949 | 28,755 | 27,191 | 23,739                                | 33,427 | 21,024 | 29,537 | 27,511 | 22,047   | 26,652 | 19,228 | 21,528 | 21,508 |
| Jefferson.....      | 80        | 7    | 46,325  | 60,047 | 38,837 | 32,745 | 30,929 | 45,936                                | 60,900 | 39,155 | 33,282 | 30,980 | 39,916   | 40,489 | 33,922 | 26,231 | 24,535 |
| Johnson.....        | 21        | —    | 14,179  | 11,483 | 11,079 | 12,539 | 13,830 | 13,527                                | 11,357 | 11,057 | 12,715 | 14,126 | 13,554   | 10,252 | 10,496 | 10,454 | 11,932 |
| Lafayette.....      | 19        | —    | 11,981  | 13,775 | 11,006 | 10,634 | 6,882  | 12,017                                | 14,293 | 11,422 | 10,959 | 7,082  | 11,729   | 12,528 | 10,835 | 10,073 | 6,773  |
| Lawrence.....       | 23        | 1    | 15,991  | 17,794 | 11,289 | 18,251 | 16,165 | 16,237                                | 18,153 | 11,646 | 19,485 | 16,954 | 15,249   | 15,808 | 9,950  | 14,322 | 11,855 |
| Lee.....            | 35        | 3    | 26,694  | 27,329 | 17,415 | 24,249 | 17,540 | 20,348                                | 30,559 | 20,006 | 27,634 | 19,347 | 21,063   | 20,953 | 14,672 | 18,295 | 13,519 |
| Lincoln.....        | 31        | 3    | 17,104  | 22,084 | 17,281 | 13,995 | 13,089 | 16,616                                | 21,974 | 17,461 | 14,121 | 13,322 | 15,353   | 17,053 | 14,519 | 10,797 | 10,601 |
| Little River.....   | 12        | 3    | 12,382  | 14,616 | 13,826 | 13,815 | 9,526  | 12,758                                | 15,648 | 14,277 | 13,840 | 9,659  | 11,841   | 13,490 | 13,221 | 12,589 | 9,495  |
| Logan.....          | 39        | 3    | 22,168  | 20,122 | 19,135 | 23,396 | 21,885 | 22,598                                | 20,657 | 19,759 | 24,065 | 22,331 | 21,105   | 19,116 | 18,613 | 21,517 | 20,168 |
| Lonoke.....         | 48        | 4    | 31,072  | 41,172 | 27,621 | 25,411 | 25,810 | 31,979                                | 43,683 | 28,046 | 26,132 | 28,742 | 31,373   | 25,560 | 20,111 | 20,952 |        |
| Marion.....         | 19        | —    | 1,979   | 2,128  | 1,545  | 2,397  | 2,551  | 2,022                                 | 2,136  | 1,568  | 2,428  | 2,629  | 1,786  | 1,813  | 1,250  | 1,843  | 1,751  |
| Miller.....         | 24        | 6    | 12,161  | 12,583 | 10,491 | 9,848  | 6,680  | 12,341                                | 13,001 | 10,729 | 10,055 | 6,768  | 11,633   | 10,906 | 9,949  | 8,894  | 6,273  |
| Mississippi.....    | 44        | 3    | 62,126  | 47,180 | 28,080 | 64,084 | 41,237 | 64,946                                | 49,765 | 20,697 | 57,740 | 45,146 | 51,323   | 38,526 | 23,184 | 41,105 | 31,340 |
| Monroe.....         | 19        | 4    | 15,928  | 16,170 | 11,097 | 16,592 | 11,266 | 16,903                                | 18,101 | 12,054 | 18,138 | 12,242 | 13,894   | 14,067 | 10,115 | 12,342 | 9,699  |
| Montgomery.....     | 24        | 6    | 3,569   | 3,922  | 3,731  | 5,266  | 4,845  | 3,436                                 | 3,884  | 3,550  | 5,064  | 4,704  | 3,361  | 3,833  | 3,487  | 4,751  | 4,565  |
| Nevada.....         | 30        | 1    | 14,655  | 13,043 | 10,956 | 11,759 | 8,787  | 14,743                                | 13,280 | 11,177 | 11,627 | 8,822  | 11,304   | 12,717 | 9,085  | 10,786 | 7,854  |
| Newton.....         | 5         | 3    | 668   | 535    | 353    | 614    | 453    | 669                                   | 537    | 347    | 630    | 477    | 340  | 398    | 252    | 235    | 285    |
| Ouachita.....       | 37        | 4    | 9,195   | 9,304  | 8,292  | 7,304  | 6,646  | 9,072                                 | 9,395  | 8,242  | 7,247  | 6,263  | 8,695  | 8,829  | 7,957  | 6,734  | 6,402  |
| Perry.....          | 16        | —    | 5,439   | 6,190  | 5,167  | 5,887  | 6,541  | 5,476                                 | 6,277  | 5,265  | 5,960  | 6,614  | 5,249  | 5,722  | 4,956  | 5,160  | 5,558  |
| Phillips.....       | 40        | 2    | 40,462  | 40,737 | 24,414 | 31,854 | 24,655 | 42,000                                | 43,385 | 26,294 | 33,485 | 26,307 | 35,414   | 30,848 | 20,992 | 24,429 | 19,924 |
| Pike.....           | 16        | 3    | 3,648   | 4,101  | 2,896  | 3,387  | 2,632  | 3,539                                 | 4,130  | 2,335  | 3,413  | 2,685  | 3,483  | 3,897  | 2,879  | 3,153  | 2,473  |
| Poinsett.....       | 11        | —    | 11,304  | 7,005  | 3,868  | 9,361  | 7,103  | 11,173                                | 7,316  | 4,079  | 9,881  | 7,630  | 9,723  | 5,616  | 3,007  | 6,100  | 5,952  |
| Polk.....           | 14        | —    | 4,069   | 3,619  | 3,015  | 5,895  | 3,666  | 4,099                                 | 3,644  | 3,895  | 6,101  | 3,634  | 3,909  | 3,537  | 3,859  | 5,391  | 3,485  |
| Pope.....           | 30        | —    | 22,687  | 21,461 | 20,084 | 19,028 | 19,251 | 22,832                                | 21,568 | 20,341 | 19,192 | 19,374 | 21,181   | 19,827 | 19,134 | 15,941 | 16,127 |
| Prairie.....        | 16        | 2    | 6,736   | 9,299  | 7,109  | 8,627  | 5,781  | 6,915                                 | 9,794  | 7,486  | 8,912  | 6,017  | 5,748  | 7,865  | 6,587  | 6,413  | 4,650  |
| Pulaski.....        | 49        | 4    | 21,765  | 24,236 | 18,087 | 15,941 | 13,222 | 22,391                                | 24,302 | 18,756 | 16,603 | 13,669 | 19,112   | 18,266 | 14,785 | 12,306 | 10,234 |
| Randolph.....       | 16        | 5    | 7,555   | 8,485  | 5,214  | 11,139 | 9,174  | 7,960                                 | 8,928  | 5,381  | 11,721 | 9,288  | 7,503  | 7,817  | 4,680  | 8,422  | 7,548  |
| St. Francis.....    | 26        | 4    | 25,031  | 26,336 | 15,048 | 23,325 | 19,698 | 25,797                                | 27,484 | 15,593 | 24,011 | 20,800 | 21,968   | 21,370 | 12,542 | 18,487 | 16,543 |
| Saline.....         | 24        | 1    | 7,003   | 7,436  | 5,662  | 4,741  | 5,320  | 6,888                                 | 7,610  | 5,420  | 4,716  | 5,175  | 6,537  | 6,205  | 5,362  | 4,441  | 4,495  |
| Scott.....          | 24        | 1    | 10,149  | 8,983  | 7,155  | 12,648 | 9,845  | 10,202                                | 9,060  | 7,129  | 12,691 | 9,784  | 9,580  | 8,536  | 6,904  | 11,101 | 9,520  |
| Searcy.....         | 11        | 2    | 1,841   | 1,795  | 1,396  | 2,396  | 2,096  | 1,851                                 | 1,959  | 1,425  | 2,477  | 2,156  | 1,522  | 1,609  | 1,209  | 2,055  | 1,645  |
| Sebastian.....      | 22        | —    | 16,432  | 14,800 | 11,880 | 19,049 | 13,719 | 16,748                                | 14,957 | 12,167 | 19,441 | 13,768 | 15,749   | 14,086 | 11,450 | 17,095 | 13,031 |
| Searcy.....         | 17        | 3    | 6,715   | 7,541  | 7,498  | 7,607  | 5,962  | 6,757                                 | 7,886  | 7,699  | 7,731  | 6,003  | 6,395  | 7,393  | 7,394  | 7,303  | 5,813  |
| Sharp.....          | 22        | —    | 3,015   | 4,908  | 3,454  | 4,642  | 4,331  | 3,018                                 | 4,819  | 3,441  | 4,645  | 4,367  | 2,863  | 4,508  | 3,293  | 3,979  | 3,573  |
| Stone.....          | 20        | 3    | 1,012   | 1,176  | 827    | 1,342  | 1,161  | 1,007                                 | 1,181  | 820    | 1,372  | 1,141  | 845  | 925    | 712    | 1,045  | 777    |
| Union.....          | 54        | 1    | 16,041  | 15,431 | 11,430 | 6,238  | 5,780  | 15,056                                | 15,258 | 11,505 | 6,374  | 5,727  | 14,710   | 14,363 | 11,124 | 6,371  | 5,245  |
| Van Buren.....      | 17        | —    | 6,039   | 5,225  | 5,027  | 5,271  | 4,821  | 6,278                                 | 5,449  | 5,332  | 5,540  | 5,111  | 5,693  | 4,918  | 4,898  | 4,671  | 3,928  |
| White.....          | 42        | 2    | 19,609  | 22,171 | 16,207 | 16,346 | 15,818 | 19,735                                | 22,579 | 16,333 | 16,008 | 16,150 | 18,565   | 20,037 | 15,614 | 13,314 | 13,501 |
| Woodruff.....       | 19        | 2    | 22,194  | 25,347 | 17,601 | 19,730 | 15,701 | 23,175                                | 27,006 | 18,625 | 20,964 | 16,787 | 19,513   | 20,568 | 15,465 | 14,214 | 12,552 |
| Yell.....           | 39        | 5    | 22,445  | 24,051 | 20,694 | 23,225 | 21,293 | 22,701                                | 24,710 | 21,508 | 23,645 | 21,407 | 21,282   | 22,070 | 19,356 | 19,290 | 18,621 |

## FLORIDA.

[See map on page 96.]

| The state...    | 220 | 43 | 90,648 | 66,790 | 58,833 | 94,471 | 67,172 | 81,255 | 58,695 | 52,760 | 83,388 | 58,949 | 80,909 | 63,082 | 52,895 | 81,952 | 60,052 |
|-----------------|-----|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Alachua.....    | 21  | 5  | 8,083  | 6,090  | 5,203  | 9,339  | 7,027  | 6,198  | 4,197  | 3,658  | 7,015  | 5,016  | 7,458  | 5,883  | 4,661  | 9,055  | 6,301  |
| Baker.....      | 4   | —  | 1,063  | 807    | 471    | 1,162  | 1,075  | 820    | 603    | 351    | 891    | 879    | 869    | 773    | 308    | 1,033  | 958    |
| Bradford.....   | 11  | 2  | 3,690  | 2,673  | 1,899  | 4,855  | 3,251  | 2,746  | 1,923  | 1,343  | 3,562  | 2,324  | 3,302  | 2,596  | 1,660  | 4,467  | 2,022  |
| Columbia.....   | 13  | 2  | 3,785  | 2,607  | 1,633  | 3,192  | 2,577  | 3,176  | 2,018  | 1,226  | 2,512  | 2,096  | 3,608  | 2,576  | 1,482  | 3,061  | 2,354  |
| Gadsden.....    | 8   | 3  | 1,063  | 735    | 1,040  | 2,084  | 1,358  | 1,028  | 709    | 1,023  | 2,995  | 1,349  | 379    | 313    | 387    | 542    | 321    |
| Hamilton.....   | 10  | 4  | 5,437  | 3,805  | 2,524  | 4,196  | 3,615  | 3,986  | 2,596  | 1,659  | 2,837  | 2,339  | 4,670  | 3,560  | 2,086  | 3,499  | 2,963  |
| Holmes.....     | 10  | 4  | 5,515  | 3,747  | 3,161  | 4,188  | 2,047  | 5,319  | 3,649  | 3,167  | 4,209  | 1,987  | 4,810  | 3,473  | 2,853  | 3,782  | 1,841  |
| Jackson.....    | 25  | —  | 23,872 | 18,285 | 16,233 | 21,385 | 15,522 | 23,266 | 15,079 | 16,473 | 21,269 | 15,594 | 21,935 | 17,842 | 15,255 | 19,977 | 15,031 |
| Jefferson.....  | 21  | 6  | 7,021  | 4,683  | 3,571  | 6,015  | 4,540  | 6,914  | 4,336  | 3,255  | 6,527  | 4,002  | 6,429  | 4,419  | 3,442  | 6,084  | 4,255  |
| Lafayette.....  | 6   | —  | 715    | 697    | 628    | 1,045  | 814    | 567    | 516    | 504    | 836    | 638    | 647    | 605    | 581    | 1,004  | 750    |
| Leon.....       | 15  | —  | 5,592  | 4,055  | 4,019  | 6,287  | 5,518  | 5,612  | 3,921  | 3,844  | 6,050  | 5,155  | 4,799  | 3,890  | 3,810  | 5,949  | 5,023  |
| Madison.....    | 16  | 2  | 8,066  | 5,340  | 5,287  | 11,021 | 7,838  | 7,458  | 4,347  | 4,326  | 9,006  | 6,815  | 8,235  | 4,925  | 4,577  | 8,778  | 6,870  |
| Santa Rosa..... | 13  | 4  | 1,379  | 2,203  | 3,037  | 4,054  | 2,741  | 1,295  | 2,138  | 3,043  | 3,798  | 2,621  | 1,293  | 2,164  | 2,678  | 3,480  | 2,265  |
| Suwannee.....   | 15  | 1  | 6,996  | 4,616  | 4,391  | 5,678  | 3,976  | 5,428  | 3,430  | 3,391  | 4,353  | 3,117  | 6,248  | 4,295  | 3,993  | 5,023  | 3,302  |
| Taylor.....     | 3   | 1  | 365    | 181    | 231    | 363    | 323    | 296    | 141    | 184    | 292    | 278    | 311    | 160    | 199    | 319    | 294    |
| Walton.....     | 14  | 5  | 2,739  | 2,768  | 1,727  | 2,834  | 1,797  | 2,625  | 2,753  | 1,583  | 2,708  | 1,570  | 2,352  | 2,577  | 1,613  | 2,447  | 1,523  |
| Washington..... | 4   | —  | 2,769  | 1,667  | 1,579  | 1,645  | 967    | 2,736  | 1,583  | 1,583  | 1,585  | 925    | 2,195  | 1,025  | 1,491  | 1,241  | 904    |
| All other.....  | 11  | 4  | 1,898  | 1,741  | 2,209  | 3,248  | 2,268  | 1,785  | 1,666  | 2,147  | 2,943  | 2,244  | 1,379  | 1,436  | 1,819  | 2,204  | 2,018  |

## GEORGIA.

[See map on page 97.]

| The state... | 3,862 | 470 | 2,723,094 | 2,346,237 | 1,812,778 | 2,794,295 | 1,812,178 | 2,718,037 | 2,316,601 | 1,778,546 | 2,768,627 | 1,767,202 | 2,451,644 | 2,215,308 | 1,675,670 | 2,517,857 | 1,706,816 |
|--------------|-------|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Appling 1    | 13    | 2   | 6,828     | 7,916     | 5,668     | 9,178     | 5,373     | 6,539     | 7,205     | 4,887     | 7,541     | 4,436     | 9,920     | 7,261     | 4,769     | 7,384     | 4,672     |
| Bacon 1      | 10    |     | 4,591     |           |           |           |           | 4,305     |           |           |           |           |           |           |           |           |           |
| Baker        | 11    |     | 11,602    | 7,966     | 6,989     |           | 6,470     | 11,512    | 8,063     | 7,018     | 10,146    | 6,739     | 10,666    | 7,706     | 6,747     | 9,765     | 6,391     |
| Baldwin      | 17    | 5   | 14,385    | 11,643    | 11,289    | 16,322    | 10,843    | 14,719    | 11,680    | 11,375    | 17,357    | 10,730    | 13,128    | 11,159    | 10,809    | 14,436    | 10,457    |
| Banks        | 27    | 4   | 11,211    | 12,114    | 9,129     | 15,294    | 11,309    | 10,361    | 11,083    | 8,289     | 13,945    | 10,275    | 9,376     | 10,833    | 8,084     | 13,556    | 10,160    |
| Barrow 2     | 26    |     | 18,181    |           |           |           |           | 17,676    |           |           |           |           |           |           |           |           |           |
| Bartow       | 33    | 5   | 25,172    | 24,235    | 18,943    | 27,413    | 18,833    | 28,927    | 26,848    | 18,829    | 26,832    | 18,852    | 25,798    | 23,220    | 17,068    | 25,561    | 17,014    |
| Ben Hill     | 17    | 1   | 14,234    | 10,378    | 8,117     | 12,553    | 7,361     | 14,080    | 9,985     | 7,398     | 11,686    | 6,823     | 13,166    | 9,611     | 7,648     | 11,000    | 7,173     |
| Berrien      | 13    | 6   | 20,953    | 18,291    | 13,283    | 20,291    | 12,662    | 18,762    | 16,067    | 11,232    | 18,046    | 10,807    | 18,909    | 17,163    | 11,723    | 17,626    | 11,625    |
| Bibb         | 23    | 2   | 14,340    | 10,690    | 9,357     | 17,161    | 11,076    | 14,618    | 10,818    | 9,434     | 17,765    | 11,162    | 13,276    | 9,788     | 8,679     | 15,962    | 10,580    |
| Bleckley 2   | 21    | 2   | 14,570    | 12,985    | 8,907     |           |           | 15,281    | 13,915    | 9,269     |           |           | 13,669    | 12,669    | 8,729     |           |           |
| Brooks       | 26    | 2   | 19,129    | 14,535    | 10,325    | 15,877    | 9,843     | 19,425    | 14,141    | 9,859     | 15,878    | 9,192     | 17,988    | 14,135    | 9,565     | 14,542    | 9,346     |
| Bryan        | 11    | 4   | 4,122     | 3,385     | 2,472     | 4,679     | 2,973     | 3,865     | 3,087     | 2,243     | 4,290     | 2,655     | 3,634     | 3,237     | 2,293     | 4,149     | 2,781     |

TABLE 17.—NUMBER OF GINNTRIES IN 1914 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1910 TO 1914, BY COUNTIES—Continued.

| COUNTY.                      | GINNERIES   |      | TOTAL QUANTITY GINNED.                             |        |        |        |        |                                       |        |        |        |        | NUMBER OF BALES GINNED TO DEC. 13<br>(COUNTING ROUND AS HALF BALES)— |        |        |        |        |
|------------------------------|-------------|------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|--|--------|--------|--------|--------|
|                              | Ac-<br>tive | Idle | Number of bales (counting round as half<br>bales)— |        |        |        |        | Number of equivalent 500-pound bales— |        |        |        |        | 1914   | 1913   | 1912   | 1911   | 1910   |
|                              |             |      | 1914   | 1913   | 1912   | 1911   | 1910   | 1914                                  | 1913   | 1912   | 1911   | 1910   |  |        |        |        |        |
|                              |             |      |  |        |        |        |        |                                       |        |        |        |        |  |        |        |        |        |
| GEORGIA—Continued.           |             |      |  |        |        |        |        |                                       |        |        |        |        |  |        |        |        |        |
| Bulloch <sup>1,2</sup> ..... | 62          | 9    | 38,836   | 41,667 | 22,506 | 40,279 | 31,153 | 38,703                                | 38,900 | 20,597 | 37,979 | 28,248 | 43,760   | 39,277 | 20,617 | 23,070 | 26,593 |
| Burke.....                   | 100         | 14   | 60,820   | 53,687 | 34,282 | 57,046 | 38,949 | 63,524                                | 55,560 | 34,844 | 59,781 | 40,406 | 53,749   | 49,320 | 32,782 | 46,984 | 35,495 |
| Butts.....                   | 20          | 2    | 17,015   | 14,958 | 12,540 | 18,367 | 12,664 | 17,641                                | 15,485 | 13,049 | 18,881 | 13,087 | 15,209   | 14,181 | 11,574 | 16,800 | 12,134 |
| Calhoun.....                 | 18          | 2    | 19,954   | 17,799 | 14,408 | 20,592 | 13,683 | 19,890                                | 17,443 | 14,373 | 20,522 | 13,456 | 18,254   | 17,144 | 13,712 | 19,888 | 13,123 |
| Camden <sup>3</sup> .....    | 3           | 1    | 531  | 267    |        |        |        | 476                                   | 256    |        |        |        | 173  | 182    |        |        |        |
| Campbell.....                | 22          |      | 17,612   | 14,365 | 10,722 | 16,490 | 11,777 | 18,119                                | 14,552 | 10,681 | 16,753 | 11,699 | 15,543   | 13,756 | 9,244  | 14,834 | 10,846 |
| Candler <sup>1</sup> .....   | 18          | 6    | 12,158   |        |        |        |        | 12,177                                |        |        |        |        |  |        |        |        |        |
| Carroll.....                 | 50          | 1    | 45,371   | 39,878 | 32,364 | 44,421 | 32,781 | 43,729                                | 37,844 | 30,467 | 41,560 | 30,218 | 39,526   | 38,464 | 27,805 | 41,193 | 30,590 |
| Catoosa.....                 | 5           | 1    | 2,156  | 1,766  | 1,421  | 2,353  | 973    | 2,070                                 | 1,660  | 1,320  | 2,118  | 873    | 1,500  | 1,707  | 1,286  | 200    | 308    |
| Charlton <sup>3</sup> .....  | 3           |      | 642  | 342    |        |        |        | 608                                   | 306    |        |        |        | 460  | 111    |        |        |        |
| Chattahoochee.....           | 32          | 3    | 8,781  | 6,336  | 6,339  | 8,987  | 6,006  | 8,769                                 | 6,401  | 6,377  | 9,079  | 5,993  | 7,968  | 5,987  | 5,792  | 7,976  | 5,601  |
| Chattooga.....               | 19          | 4    | 15,582   | 13,664 | 10,611 | 14,442 | 9,092  | 15,196                                | 12,811 | 9,841  | 14,439 | 8,492  | 12,948   | 13,284 | 9,777  | 13,269 | 7,745  |
| Cherokee.....                | 47          |      | 13,746   | 12,727 | 10,180 | 14,864 | 9,588  | 12,624                                | 11,050 | 8,828  | 13,226 | 8,746  | 12,144   | 11,979 | 8,927  | 13,561 | 8,617  |
| Clarke.....                  | 17          | 3    | 14,200   | 13,291 | 10,995 | 15,646 | 11,108 | 14,311                                | 13,025 | 10,472 | 15,224 | 10,648 | 12,132   | 11,952 | 10,378 | 14,420 | 10,291 |
| Clay.....                    | 17          | 6    | 15,449   | 13,333 | 10,049 | 15,963 | 10,307 | 15,848                                | 13,944 | 10,322 | 16,825 | 10,598 | 14,564   | 13,136 | 9,861  | 15,161 | 10,287 |
| Clayton.....                 | 18          | 4    | 15,139   | 12,459 | 10,049 | 16,256 | 11,532 | 15,318                                | 12,040 | 9,947  | 16,132 | 11,384 | 13,651   | 11,527 | 9,032  | 14,982 | 10,297 |
| Clinch.....                  | 5           |      | 1,691  | 1,171  | 1,051  | 1,607  | 930    | 1,503                                 | 963    | 839    | 1,370  | 785    | 1,440  | 1,499  | 701    | 1,223  | 718    |
| Cobb.....                    | 46          | 2    | 26,636   | 20,180 | 16,733 | 25,668 | 18,418 | 24,677                                | 18,723 | 15,374 | 23,250 | 16,554 | 23,039   | 19,171 | 14,377 | 23,500 | 16,266 |
| Coffee.....                  | 30          | 4    | 26,427   | 19,453 | 13,409 | 20,389 | 12,315 | 24,947                                | 18,185 | 12,128 | 18,128 | 10,879 | 23,730   | 18,205 | 11,540 | 17,160 | 11,014 |
| Colquitt.....                | 19          | 2    | 26,858   | 22,405 | 17,414 | 24,978 | 13,458 | 26,345                                | 22,147 | 16,796 | 24,547 | 12,887 | 26,059   | 21,953 | 16,682 | 23,047 | 12,962 |
| Columbia.....                | 31          | 10   | 17,866   | 16,185 | 10,479 | 20,633 | 12,474 | 18,452                                | 16,891 | 10,448 | 20,910 | 12,721 | 16,170   | 15,484 | 10,310 | 19,217 | 12,225 |
| Coweta.....                  | 36          | 5    | 40,240   | 30,500 | 28,699 | 44,985 | 32,357 | 40,980                                | 30,652 | 28,182 | 45,669 | 32,622 | 35,697   | 27,857 | 25,749 | 41,232 | 30,551 |
| Crawford.....                | 21          | 7    | 8,838  | 6,453  | 5,891  | 10,268 | 5,966  | 8,948                                 | 6,503  | 6,909  | 10,621 | 6,017  | 7,766  | 6,830  | 5,614  | 9,414  | 5,330  |
| Crisp.....                   | 24          | 1    | 28,114   | 24,283 | 22,093 | 26,730 | 14,834 | 28,395                                | 24,196 | 21,885 | 26,880 | 15,068 | 27,188   | 23,724 | 20,965 | 24,164 | 14,391 |
| Dawson.....                  | 14          | 2    | 2,541  | 2,054  | 1,645  | 2,757  | 1,641  | 2,267                                 | 1,760  | 1,389  | 2,272  | 1,339  | 1,940  | 1,843  | 1,335  | 2,377  | 1,501  |
| Decatur.....                 | 24          |      | 20,556   | 14,854 | 11,660 | 18,321 | 11,978 | 21,074                                | 15,023 | 11,444 | 18,581 | 11,961 | 17,078   | 14,271 | 10,596 | 16,311 | 11,120 |
| Dekalb.....                  | 29          | 5    | 16,449   | 12,513 | 9,563  | 16,463 | 10,087 | 16,160                                | 12,032 | 6,467  | 15,910 | 9,655  | 15,110   | 11,696 | 8,173  | 15,314 | 8,822  |
| Dodge.....                   | 34          |      | 37,791   | 34,503 | 22,617 | 37,622 | 23,059 | 38,108                                | 34,758 | 22,816 | 38,480 | 23,506 | 35,216   | 33,087 | 21,907 | 33,777 | 22,589 |
| Dooly.....                   | 32          | 6    | 44,100   | 39,365 | 29,953 | 46,509 | 27,066 | 45,317                                | 40,373 | 30,163 | 47,669 | 27,196 | 41,568   | 37,958 | 28,097 | 40,528 | 26,416 |
| Dougherty.....               | 23          | 5    | 22,331   | 17,362 | 15,538 | 22,587 | 13,050 | 22,670                                | 17,782 | 16,080 | 23,396 | 13,118 | 20,454   | 16,465 | 14,576 | 20,386 | 12,347 |
| Douglas.....                 | 20          |      | 13,238   | 10,549 | 8,114  | 11,734 | 8,302  | 12,806                                | 9,988  | 7,483  | 10,861 | 7,578  | 11,164   | 10,159 | 6,970  | 10,872 | 7,471  |
| Early.....                   | 19          | 6    | 27,695   | 19,386 | 16,316 | 21,778 | 14,717 | 28,390                                | 19,882 | 10,779 | 23,215 | 15,353 | 25,937   | 18,949 | 15,440 | 20,497 | 14,385 |
| Effingham.....               | 17          | 2    | 5,566  | 4,321  | 3,201  | 4,930  | 3,566  | 5,342                                 | 4,197  | 3,192  | 4,791  | 3,420  | 4,916  | 3,984  | 2,751  | 4,147  | 3,143  |
| Elbert.....                  | 39          | 6    | 22,394   | 22,615 | 16,047 | 27,797 | 18,417 | 21,364                                | 21,353 | 14,834 | 25,890 | 16,859 | 19,583   | 21,431 | 14,733 | 25,887 | 18,015 |
| Emanuel <sup>1</sup> .....   | 32          | 4    | 40,190   | 41,298 | 22,934 | 39,699 | 27,720 | 40,929                                | 41,394 | 23,031 | 40,789 | 27,240 | 38,572   | 38,121 | 21,590 | 33,038 | 25,079 |
| Evans <sup>2</sup> .....     | 16          | 5    | 9,125  |        |        |        |        | 8,507                                 |        |        |        |        |  |        |        |        |        |
| Fayette.....                 | 16          | 6    | 18,596   | 13,669 | 12,104 | 19,718 | 13,476 | 18,529                                | 13,491 | 12,211 | 20,022 | 13,511 | 16,655   | 12,484 | 11,258 | 17,888 | 12,805 |
| Floyd.....                   | 41          | 7    | 27,570   | 21,913 | 17,415 | 23,942 | 16,018 | 27,822                                | 20,905 | 17,154 | 22,874 | 15,249 | 24,463   | 21,050 | 15,558 | 21,668 | 14,624 |
| Forsyth.....                 | 40          | 4    | 11,924   | 10,719 | 9,528  | 14,827 | 10,186 | 11,042                                | 9,482  | 8,246  | 13,030 | 8,775  | 10,285   | 9,769  | 7,907  | 13,468 | 8,845  |
| Franklin.....                | 47          | 6    | 22,999   | 26,253 | 20,726 | 30,563 | 22,276 | 21,923                                | 23,859 | 10,831 | 29,029 | 21,046 | 18,919   | 22,797 | 18,810 | 28,157 | 21,330 |
| Fulton.....                  | 8           | 1    | 2,937  | 2,544  | 1,768  | 3,518  | 2,612  | 2,889                                 | 2,448  | 1,680  | 3,246  | 2,500  | 2,635  | 2,303  | 1,506  | 2,417  | 2,303  |
| Glascock.....                | 17          | 2    | 4,900  | 3,874  | 3,156  | 5,253  | 2,744  | 5,220                                 | 3,989  | 3,608  | 5,537  | 2,876  | 4,261  | 3,645  | 2,770  | 4,713  | 2,497  |
| Gordon.....                  | 20          | 3    | 17,512   | 15,144 | 13,819 | 15,456 | 10,637 | 16,675                                | 14,644 | 13,474 | 14,785 | 10,204 | 15,400   | 14,732 | 12,436 | 14,424 | 9,078  |
| Grady.....                   | 19          | 2    | 9,088  | 6,123  | 5,822  | 9,039  | 6,002  | 8,765                                 | 5,840  | 5,477  | 8,713  | 5,603  | 8,136  | 5,705  | 5,216  | 8,031  | 5,542  |
| Greene.....                  | 24          | 6    | 20,299   | 18,153 | 14,528 | 25,379 | 14,204 | 20,888                                | 18,252 | 14,697 | 25,709 | 14,295 | 18,092   | 17,350 | 13,782 | 23,015 | 13,862 |
| Gwinnett <sup>4</sup> .....  | 60          | 6    | 31,910   | 29,878 | 21,653 | 34,463 | 21,763 | 31,087                                | 28,265 | 19,934 | 32,444 | 19,639 | 31,360   | 27,925 | 19,666 | 32,170 | 19,467 |
| Habersham.....               | 10          | 2    | 2,157  | 1,641  | 1,438  | 2,074  | 1,206  | 1,905                                 | 1,610  | 1,294  | 1,832  | 1,054  | 1,575  | 1,711  | 1,258  | 1,606  | 1,019  |
| Hall.....                    | 67          | 5    | 19,538   | 17,282 | 14,395 | 23,207 | 15,233 | 17,369                                | 14,914 | 12,581 | 20,134 | 13,082 | 15,524   | 15,110 | 11,295 | 20,359 | 12,002 |
| Hancock.....                 | 35          | 4    | 24,561   | 18,259 | 15,760 | 25,636 | 14,663 | 25,077                                | 18,274 | 15,832 | 25,933 | 14,678 | 22,199   | 17,997 | 15,499 | 23,230 | 14,453 |
| Harrison.....                | 31          | 7    | 14,771   | 12,534 | 10,176 | 15,302 | 10,040 | 14,340                                | 11,594 | 9,319  | 13,845 | 8,980  | 12,312   | 12,132 | 8,780  | 14,313 | 9,320  |
| Harris.....                  | 35          | 7    | 20,754   | 24,566 | 22,890 | 30,915 | 22,999 | 30,099                                | 24,689 | 22,812 | 31,416 | 22,962 | 27,444   | 23,018 | 21,710 | 29,239 | 22,440 |
| Hart.....                    | 37          | 3    | 18,584   | 22,224 | 15,223 | 25,648 | 18,211 | 18,190                                | 21,499 | 14,611 | 24,622 | 17,268 | 16,102   | 20,885 | 14,138 | 24,415 | 17,619 |
| Heard.....                   | 26          | 5    | 16,349   | 13,816 | 12,525 | 21,900 | 14,760 | 16,427                                | 13,493 | 12,272 | 21,589 | 14,285 | 14,922   | 13,310 | 11,709 | 20,645 | 14,335 |
| Henry.....                   | 32          | 2    | 32,690   | 28,657 | 21,026 | 34,660 | 25,113 | 32,971                                | 29,259 | 22,268 | 34,542 | 24,581 | 29,233   | 26,048 | 20,057 | 32,820 | 23,604 |
| Houston.....                 | 57          | 12   | 26,626   | 22,554 | 15,841 | 31,795 | 17,137 | 27,542                                | 22,852 | 16,218 | 32,425 | 17,367 | 25,085   | 21,322 | 15,339 | 29,304 | 16,713 |
| Irwin.....                   | 15          | 1    | 22,049   | 19,519 | 13,794 | 22,990 | 13,099 | 22,142                                | 18,625 | 12,726 | 21,723 | 12,191 | 20,013   | 18,506 | 13,233 | 20,010 | 12,568 |
| Jackson <sup>4</sup> .....   | 66          | 3    | 32,029   | 44,550 | 34,070 | 53,335 | 37,752 | 32,014                                | 41,913 | 31,971 | 49,719 | 35,038 | 35,064   | 40,088 | 30,086 | 48,365 | 34,932 |
| Jasper.....                  | 32          |      | 20,223   | 26,224 | 22,108 | 31,460 | 20,997 | 29,895                                | 26,943 | 22,007 | 32,794 |        |  |        |        |        |        |

## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 17.—NUMBER OF GINNIES IN 1914 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1910 TO 1914, BY COUNTIES—Continued.

| COUNTY.                 |     | GINNERIES   |        | TOTAL QUANTITY GINNED.                             |        |        |        |        |                                       |        |        |        |        |        | NUMBER OF BALES GINNED TO DEC. 13<br>(COUNTING ROUND AS HALF BALES)— |        |        |      |  |
|-------------------------|-----|-------------|--------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|--------|--|--------|--------|------|--|
|                         |     | Ac-<br>tive | Idle   | Number of bales (counting round as half<br>bales)— |        |        |        |        | Number of equivalent 500-pound bales— |        |        |        |        | 1914   | 1913   | 1912   | 1911   | 1910 |  |
|                         |     |             |        | 1914   | 1913   | 1912   | 1911   | 1910   | 1914                                  | 1913   | 1912   | 1911   | 1910   |        |  |        |        |      |  |
|                         |     |             |        |  |        |        |        |        |                                       |        |        |        |        |        |  |        |        |      |  |
| GEORGIA—Continued.      |     |             |        |  |        |        |        |        |                                       |        |        |        |        |        |  |        |        |      |  |
| Montgomery <sup>1</sup> | 17  | 8           | 19,089 | 16,082   | 11,187 | 27,447 | 17,187 | 19,173 | 16,208                                | 11,185 | 28,402 | 17,204 | 16,505 | 15,141 | 10,409   | 24,501 | 16,679 |      |  |
| Morgan                  | 31  | 3           | 32,021 | 27,505   | 23,233 | 37,974 | 23,259 | 32,392 | 27,400                                | 23,698 | 37,989 | 23,087 | 23,183 | 25,328 | 21,502   | 34,016 | 21,843 |      |  |
| Murray                  | 9   | 3           | 4,391  | 3,475  | 3,280  | 3,500  | 1,710  | 3,958  | 3,042                                 | 2,715  | 3,008  | 1,564  | 3,499  | 3,431  | 3,029  | 3,177  | 1,554  |      |  |
| Muscogee                | 19  | 4           | 11,456 | 7,910  | 7,591  | 8,857  | 6,916  | 11,598 | 7,883                                 | 7,495  | 8,882  | 6,717  | 10,272 | 7,504  | 7,205  | 8,422  | 6,745  |      |  |
| Newton                  | 26  | 6           | 28,417 | 24,230   | 19,741 | 30,983 | 19,793 | 28,093 | 23,847                                | 20,203 | 31,547 | 20,074 | 25,250 | 22,905 | 18,230   | 28,296 | 18,393 |      |  |
| Oconee                  | 17  | 2           | 18,593 | 17,744   | 12,845 | 20,367 | 13,917 | 18,251 | 17,563                                | 12,997 | 20,579 | 13,825 | 17,204 | 16,880 | 12,505   | 18,712 | 13,387 |      |  |
| Oglethorpe              | 45  | 8           | 26,251 | 26,439   | 21,080 | 31,713 | 18,723 | 26,408 | 26,275                                | 20,650 | 31,383 | 18,206 | 22,048 | 24,069 | 10,474   | 27,957 | 17,483 |      |  |
| Paulding                | 20  | 3           | 15,546 | 11,926   | 9,505  | 13,244 | 9,573  | 14,526 | 10,900                                | 8,497  | 11,528 | 8,212  | 13,901 | 11,530 | 8,165  | 12,523 | 8,740  |      |  |
| Piedmont                | 16  | 3           | 3,486  | 3,183  | 2,768  | 3,709  | 2,338  | 3,189  | 2,964                                 | 2,459  | 3,248  | 1,974  | 2,978  | 2,957  | 2,486  | 3,441  | 1,953  |      |  |
| Pierce <sup>2</sup>     | 14  | 1           | 6,905  | 4,931  | 3,183  | 7,340  | 5,538  | 5,727  | 3,855                                 | 2,432  | 5,718  | 2,781  | 6,631  | 4,500  | 2,317  | 6,033  | 2,810  |      |  |
| Pike                    | 27  | 3           | 27,431 | 23,204   | 20,783 | 28,923 | 21,282 | 27,842 | 23,348                                | 21,037 | 29,357 | 21,290 | 25,440 | 21,873 | 19,925   | 26,872 | 20,714 |      |  |
| Polk                    | 28  | 3           | 22,934 | 17,718   | 13,400 | 19,875 | 13,341 | 23,108 | 17,176                                | 12,869 | 18,961 | 12,806 | 20,584 | 17,172 | 11,967   | 18,200 | 12,322 |      |  |
| Pulaski <sup>3</sup>    | 16  | 5           | 19,805 | 16,595   | 12,404 | 35,924 | 21,190 | 20,316 | 17,953                                | 12,529 | 37,454 | 21,610 | 18,732 | 16,341 | 11,515   | 32,242 | 20,807 |      |  |
| Putnam                  | 35  | 6           | 16,588 | 14,419   | 11,929 | 20,077 | 11,779 | 17,155 | 14,407                                | 12,528 | 20,611 | 11,937 | 14,361 | 13,541 | 11,111   | 17,464 | 11,512 |      |  |
| Quitman                 | 16  | .....       | 5,245  | 5,347  | 5,105  | 6,753  | 4,684  | 5,206  | 5,363                                 | 5,095  | 6,730  | 4,643  | 4,693  | 5,136  | 4,716  | 6,255  | 4,567  |      |  |
| Randolph                | 30  | 3           | 27,759 | 28,153   | 24,084 | 31,799 | 19,358 | 26,943 | 27,967                                | 23,756 | 31,799 | 19,052 | 25,832 | 27,745 | 22,685   | 30,173 | 18,736 |      |  |
| Richmond                | 21  | .....       | 12,238 | 10,765   | 7,573  | 13,473 | 7,115  | 12,380 | 10,806                                | 7,567  | 13,648 | 7,025  | 11,008 | 10,136 | 6,519  | 11,855 | 6,641  |      |  |
| Rockdale                | 17  | 1           | 12,255 | 10,530   | 7,375  | 11,595 | 8,713  | 12,743 | 10,545                                | 7,801  | 11,593 | 6,571  | 10,786 | 9,922  | 6,506  | 10,753 | 6,008  |      |  |
| Schley                  | 16  | 2           | 9,466  | 6,928  | 6,906  | 9,064  | 5,997  | 9,349  | 6,961                                 | 6,988  | 9,186  | 6,026  | 8,410  | 6,707  | 6,508  | 8,211  | 5,898  |      |  |
| Screven                 | 103 | 12          | 38,380 | 34,351   | 21,498 | 34,049 | 24,703 | 38,685 | 34,615                                | 21,628 | 34,147 | 23,898 | 34,066 | 31,217 | 19,971   | 28,674 | 22,130 |      |  |
| Spalding                | 26  | 3           | 22,476 | 18,526   | 17,386 | 24,812 | 16,339 | 22,710 | 18,515                                | 17,689 | 24,812 | 16,430 | 18,800 | 16,224 | 15,672   | 21,972 | 15,275 |      |  |
| Stephens                | 18  | 2           | 7,935  | 7,267  | 5,558  | 8,276  | 5,480  | 7,621  | 6,830                                 | 5,027  | 7,485  | 4,906  | 6,651  | 6,546  | 4,795  | 7,561  | 4,934  |      |  |
| Stewart                 | 27  | 2           | 19,377 | 16,178   | 15,295 | 20,955 | 13,125 | 19,559 | 16,417                                | 15,705 | 21,416 | 13,172 | 17,513 | 15,184 | 13,420   | 19,105 | 12,754 |      |  |
| Sumter                  | 85  | 10          | 46,365 | 39,005   | 34,453 | 48,207 | 26,827 | 46,930 | 39,887                                | 35,495 | 49,464 | 27,104 | 42,806 | 36,006 | 31,652   | 42,790 | 25,754 |      |  |
| Talbot                  | 26  | 3           | 14,114 | 11,443   | 11,070 | 14,247 | 10,615 | 14,537 | 11,608                                | 11,331 | 14,486 | 10,687 | 12,697 | 10,752 | 10,561   | 13,352 | 10,467 |      |  |
| Taliaferro              | 16  | 3           | 12,080 | 10,013   | 7,577  | 12,981 | 7,512  | 12,360 | 10,063                                | 7,719  | 13,438 | 7,529  | 10,274 | 9,782  | 7,292  | 11,451 | 7,386  |      |  |
| Tattnall <sup>4</sup>   | 21  | 7           | 14,952 | 21,340   | 10,386 | 14,366 | 13,888 | 18,546 | 9,128                                 | 18,862 | 12,617 | 12,617 | 21,684 | 19,737 | 8,580  | 17,082 | 12,128 |      |  |
| Taylor                  | 34  | 4           | 16,117 | 12,493   | 10,784 | 14,938 | 10,012 | 15,633 | 12,048                                | 11,010 | 15,243 | 10,062 | 14,315 | 11,068 | 9,712  | 13,479 | 9,641  |      |  |
| Telfair                 | 23  | 3           | 21,050 | 16,350   | 12,311 | 18,340 | 12,429 | 20,999 | 16,657                                | 12,181 | 18,186 | 12,305 | 19,254 | 15,151 | 11,252   | 15,809 | 11,753 |      |  |
| Terrell                 | 25  | 9           | 38,473 | 38,614   | 33,360 | 44,970 | 27,290 | 38,319 | 38,189                                | 32,419 | 43,756 | 26,777 | 36,940 | 37,698 | 31,000   | 43,512 | 27,023 |      |  |
| Thomas                  | 24  | 1           | 26,221 | 22,634   | 16,921 | 25,233 | 16,292 | 26,252 | 23,696                                | 16,056 | 25,081 | 15,140 | 24,766 | 21,745 | 15,880   | 23,922 | 15,781 |      |  |
| Tift                    | 16  | .....       | 21,966 | 16,412   | 9,885  | 14,970 | 8,194  | 21,808 | 16,195                                | 9,582  | 14,808 | 7,940  | 21,270 | 15,828 | 9,166  | 13,669 | 7,867  |      |  |
| Toombs                  | 17  | 3           | 14,965 | 13,542   | 7,702  | 14,167 | 10,380 | 15,121 | 13,398                                | 7,112  | 14,238 | 9,821  | 13,316 | 12,203 | 6,863  | 12,100 | 9,396  |      |  |
| Troup                   | 27  | 2           | 33,020 | 25,052   | 24,084 | 33,654 | 24,946 | 33,342 | 24,942                                | 23,650 | 34,603 | 25,315 | 30,444 | 23,770 | 22,831   | 31,298 | 24,293 |      |  |
| Turner                  | 17  | 1           | 26,419 | 22,151   | 16,373 | 22,411 | 12,858 | 27,106 | 22,337                                | 16,514 | 22,752 | 12,871 | 25,391 | 21,608 | 15,066   | 20,778 | 12,471 |      |  |
| Twiggs                  | 40  | 7           | 13,940 | 12,592   | 9,087  | 17,208 | 10,619 | 14,383 | 12,809                                | 8,024  | 17,893 | 10,655 | 12,609 | 11,978 | 8,726  | 14,046 | 10,387 |      |  |
| Upson                   | 24  | 2           | 17,062 | 15,407   | 13,375 | 18,653 | 13,237 | 17,120 | 15,413                                | 13,420 | 18,985 | 13,150 | 15,251 | 14,400 | 12,616   | 17,479 | 12,844 |      |  |
| Walker                  | 18  | 1           | 10,988 | 7,885  | 6,191  | 8,752  | 4,851  | 10,674 | 5,885                                 | 8,395  | 4,022  | 9,026  | 7,799  | 5,789  | 8,047  | 3,840  | 3,840  |      |  |
| Walton <sup>5</sup>     | 41  | 1           | 40,123 | 45,801   | 32,200 | 50,062 | 32,113 | 38,951 | 44,345                                | 31,942 | 50,368 | 31,862 | 42,065 | 43,105 | 30,615   | 46,539 | 30,465 |      |  |
| Ware <sup>6</sup>       | 4   | .....       | 2,202  | 1,002  | 1,012  | 1,497  | 1,002  | 1,958  | 1,333                                 | 822    | 1,260  | 820    | 1,904  | 1,490  | 869  | 1,272  | 835    |      |  |
| Warren                  | 27  | 5           | 15,542 | 12,422   | 8,400  | 16,351 | 8,869  | 16,406 | 12,844                                | 8,457  | 17,048 | 9,100  | 13,627 | 11,018 | 8,147  | 13,725 | 8,623  |      |  |
| Washington              | 54  | 6           | 35,555 | 28,832   | 22,957 | 37,086 | 24,171 | 37,137 | 29,674                                | 23,255 | 38,443 | 24,393 | 31,886 | 27,586 | 21,753   | 32,256 | 23,264 |      |  |
| Wayne                   | 17  | 5           | 7,013  | 5,031  | 2,442  | 5,693  | 3,115  | 6,250  | 4,270                                 | 1,861  | 4,546  | 2,376  | 6,167  | 4,767  | 1,837  | 4,438  | 2,415  |      |  |
| Webster                 | 17  | 4           | 6,075  | 5,422  | 4,380  | 7,161  | 4,462  | 6,073  | 5,350                                 | 4,405  | 7,387  | 4,474  | 5,599  | 5,157  | 4,148  | 6,159  | 4,258  |      |  |
| Wheeler <sup>1</sup>    | 9   | .....       | 9,191  | 8,072  | 5,817  | .....  | .....  | 9,185  | 8,162                                 | 5,816  | .....  | .....  | 8,007  | 7,737  | 5,331  | .....  | 203    |      |  |
| White                   | 4   | 3           | 789    | 664  | 686    | 1,112  | 250    | 697    | 581                                   | 617    | 982    | 219    | 628    | 629    | 578  | 833    | 3,558  |      |  |
| Whitfield               | 20  | 2           | 8,260  | 6,242  | 5,012  | 6,932  | 4,169  | 7,870  | 5,714                                 | 4,581  | 6,280  | 3,648  | 7,194  | 6,160  | 4,624  | 6,375  | 3,458  |      |  |
| Wilcox                  | 24  | .....       | 31,406 | 26,776   | 18,361 | 25,974 | 16,743 | 31,682 | 27,178                                | 19,073 | 26,379 | 16,599 | 29,855 | 25,745 | 10,439   | 22,819 | 16,586 |      |  |
| Wilkes                  | 45  | 13          | 32,625 | 26,036   | 22,634 | 34,990 | 20,715 | 33,760 | 27,771                                | 23,263 | 36,299 | 20,926 | 27,668 | 25,303 | 21,288   | 30,470 | 19,833 |      |  |
| Wilkinson               | 39  | 5           | 11,014 | 8,764  | 6,684  | 10,179 | 5,977  | 11,045 | 8,568                                 | 6,516  | 10,370 | 5,857  | 9,786  | 8,274  | 6,274  | 9,091  | 5,774  |      |  |
| Worth                   | 22  | 1           | 31,866 | 28,805   | 17,867 | 31,466 | 17,905 | 31,036 | 28,425                                | 17,426 | 31,431 | 18,115 | 30,810 | 27,921 | 16,587   | 28,705 | 17,212 |      |  |
| All other               | 9   | 4           | 2,005  | 1,057  | 1,093  | 2,783  | 1,092  | 1,806  | 970                                   | 938    | 2,380  | 934    | 1,248  | 689    | 786  | 1,661  | 798    |      |  |

## LOUISIANA.

(See map on page 93.)

| The state..                   | 1,187 | 302 | 452,261 | 436,865 | 374,793 | 380,826 | 248,788 | 449,458 | 443,821 | 376,096 | 384,597 | 245,648 | 415,278 | 331,454 | 361,123 | 340,804 | 233,347 |
|-------------------------------|-------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Acadia.....                   | 11    | 3   | 10,530  | 8,668   | 7,197   | 7,146   | 3,889   | 10,453  | 8,722   | 7,184   | 7,009   | 3,747   | 9,620   | 8,400   | 7,121   | 6,240   | 3,815   |
| Allen <sup>6</sup> .....      | 3     | 1   | 168     | 289     | 299     |         |         | 154     | 259     | 272     |         |         | 94      | 263     | 85      |         |         |
| Ascension.....                | 3     | 7   | 1,260   | 882     | 161     | 287     | 542     | 1,221   | 852     | 166     | 290     | 483     | 1,152   | 449     | 114     | 111     | 517     |
| Avoyelles.....                | 34    | 6   | 22,707  | 15,109  | 12,037  | 19,515  | 9,634   | 23,143  | 15,816  | 12,514  | 20,510  | 9,547   | 22,299  | 14,737  | 11,927  | 19,326  | 9,538   |
| Beauregard <sup>6</sup> ..... | 3     | 2   | 586     | 653     | 586     |         |         | 583     | 625     | 576     |         |         | 548     | 472     | 430     |         |         |
| Bienville.....                | 44    | 9   | 14,646  | 18,357  | 15,370  | 13,232  | 7,869   | 14,309  | 18,588  | 14,961  | 13,274  | 7,833   | 14,144  | 17,457  | 14,685  | 12,450  | 7,615   |
| Bossier.....                  | 46    | 2   | 26,093  | 26,682  | 21,311  | 21,518  | 13,020  | 26,780  | 27,632  | 21,822  | 21,898  | 13,420  | 24,986  | 22,748  | 20,990  | 20,025  | 12,443  |
| Caddo.....                    | 61    | 4   | 38,488  | 44,026  | 39,479  | 35,404  | 20,774  | 38,714  | 45,279  | 40,663  | 35,981  | 21,037  | 35,125  | 35,777  | 37,569  | 31,718  | 19,814  |
| Caldwell.....                 | 23    | 1   | 3,294   | 3,241   | 2,396   | 4,209   | 1,873   | 3,120   | 3,053   | 2,320   | 4,011   | 1,700   | 2,715   | 2,828   | 2,261   | 3,219   | 1,716   |
| Cameron.....                  | 7     |     | 1,899   | 1,559   | 1,768   | 1,377   | 1,117   | 1,932   | 1,670   | 1,755   | 1,415   | 1,148   | 1,193   | 1,102   | 1,394   | 335     | 850     |
| Catahoula.....                | 26    | 6   | 7,971   | 5,471   | 4,041   | 8,609   | 3,608   | 7,912   | 5,531   | 4,052   | 8,785   | 3,800   | 7,344   | 5,115   | 3,719   | 7,528   | 3,484   |
| Clabourne.....                | 61    | 3   | 24,799  | 26,774  | 22,687  | 20,510  | 14,552  | 23,703  | 27,127  | 22,846  | 20,600  | 14,866  | 23,826  | 25,308  | 22,463  | 19,877  | 14,326  |
| Concordia.....                | 31    | 3   | 7,110   | 3,875   | 2,253   | 10,201  | 4,771   | 7,103   | 3,770   | 2,341   | 10,366  | 4,684   | 4,783   | 3,124   | 1,875   | 8,974   | 4,083   |
| De Soto.....                  | 40    | 3   | 20,961  | 27,183  | 25,300  | 21,159  | 15,667  | 19,927  | 27,694  | 25,528  | 21,764  | 16,037  | 19,767  | 25,714  | 24,864  | 20,555  | 15,081  |
| East Baton Rouge.....         | 10    | 16  | 3,918   | 3,153   | 1,775   | 1,195   | 944     | 3,692   | 3,066   | 1,621   | 1,140   | 846     | 3,784   | 3,063   | 1,742   | 1,156   | 876     |
| East Carroll.....             | 19    | 1   | 8,105   | 10,273  | 5,832   | 9,033   | 7,153   | 8,851   | 11,191  | 6,309   | 9,633   | 7,771   | 7,572   | 8,067   | 5,493   | 7,643   | 6,752   |
| East Feliciana.....           | 10    | 7   | 5,204   | 3,851   | 3,932   | 3,214   | 2,032   | 5,131   | 3,742   | 3,872   | 3,123   | 1,977   | 5,165   | 3,820   | 3,929   | 3,167   | 1,994   |
| Evangeline <sup>7</sup> ..... | 14    | 3   | 10,564  | 10,067  | 11,019  | 10,186  |         | 10,467  | 9,829   | 10,120  | 10,017  |         | 10,248  | 9,810   | 10,815  | 9,156   |         |
| Franklin.....                 | 25    |     | 17,683  | 12,206  | 9,949   | 13,021  | 7,653   | 18,079  | 12,411  | 10,313  | 13,227  | 7,876   | 16,530  | 10,717  | 9,886   | 11,143  | 7,410   |
| Grant.....                    | 20    | 8   | 2,701   | 3,861   | 3,232   | 2,397   | 1,477   | 2,590   | 3,700   | 3,132   | 2,385   | 1,451   | 2,415   | 3,761   | 3,163   | 2,136   | 1,398   |
| Iberia <sup>8</sup> .....     | 4     | 3   | 928     | 778     |         |         |         | 959     | 814     |         |         |         | 609     |         |         |         |         |



TABLE 17.—NUMBER OF GINNERIES IN 1914 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1910 TO 1914, BY COUNTIES—Continued.

| COUNTY.              | GINNERIES |      | TOTAL QUANTITY GINNED.                             |        |        |        |        |                                       |        |        |        |        | NUMBER OF BALES GINNED TO DEC. 13<br>(COUNTING ROUND AS HALF BALES)— |        |        |        |        |
|----------------------|-----------|------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|--|--------|--------|--------|--------|
|                      | Active    | Idle | Number of bales (counting round as half<br>bales)— |        |        |        |        | Number of equivalent 500-pound bales— |        |        |        |        | 1914   | 1913   | 1912   | 1911   | 1910   |
|                      |           |      | 1914   | 1913   | 1912   | 1911   | 1910   | 1914                                  | 1913   | 1912   | 1911   | 1910   |  |        |        |        |        |
| LOUISIANA—Continued. |           |      |  |        |        |        |        |                                       |        |        |        |        |  |        |        |        |        |
| Jackson.....         | 20        | 3    | 5,284  | 5,275  | 5,205  | 4,198  | 2,170  | 5,112                                 | 5,226  | 5,346  | 4,126  | 2,037  | 4,441  | 4,873  | 5,097  | 3,871  | 2,016  |
| La Salle.....        | 7         | 2    | 642  | 621    | 642    | 744    | 229    | 609                                   | 599    | 644    | 759    | 228    | 527  | 640    | 583    | 583    | 174    |
| Lafayette.....       | 11        | 1    | 13,657   | 10,902 | 6,986  | 7,746  | 6,562  | 13,968                                | 11,035 | 8,801  | 7,670  | 6,420  | 12,589   | 10,026 | 6,960  | 7,167  | 6,553  |
| Lincoln.....         | 38        | 5    | 10,863   | 9,390  | 8,003  | 6,591  | 4,341  | 10,922                                | 9,540  | 8,241  | 6,383  | 4,306  | 10,379   | 8,927  | 7,796  | 6,022  | 4,182  |
| Madison.....         | 19        | 12   | 4,037  | 6,372  | 4,385  | 11,191 | 8,739  | 4,824                                 | 6,012  | 4,641  | 11,751 | 9,115  | 3,780  | 4,677  | 4,116  | 7,953  | 7,158  |
| Morehouse.....       | 30        | 5    | 17,168   | 17,608 | 18,838 | 14,163 | 10,540 | 16,807                                | 17,841 | 18,992 | 13,908 | 10,205 | 15,209   | 14,480 | 17,615 | 11,256 | 10,056 |
| Natchitoches.....    | 76        | 8    | 19,842   | 25,702 | 23,284 | 20,285 | 13,425 | 19,641                                | 26,184 | 21,750 | 20,741 | 13,133 | 19,057   | 24,041 | 21,911 | 17,689 | 11,542 |
| Ouachita.....        | 41        | 8    | 11,022   | 9,857  | 10,470 | 9,165  | 6,121  | 10,929                                | 9,973  | 10,286 | 8,813  | 5,842  | 8,665  | 8,650  | 10,266 | 7,855  | 5,903  |
| Pointe Coupee.....   | 25        | 25   | 4,919  | 2,793  | 878    | 2,650  | 1,158  | 4,888                                 | 2,808  | 901    | 2,690  | 1,129  | 4,444  | 2,058  | 804    | 2,392  | 1,134  |
| Rapides.....         | 34        | 11   | 12,015   | 10,283 | 11,251 | 9,570  | 4,594  | 11,914                                | 10,376 | 11,732 | 9,509  | 4,450  | 11,638   | 10,148 | 11,216 | 9,275  | 4,399  |
| Red River.....       | 26        | 6    | 14,372   | 15,986 | 13,587 | 11,440 | 5,832  | 14,093                                | 16,459 | 13,541 | 11,829 | 5,916  | 13,992   | 14,020 | 13,070 | 10,462 | 5,577  |
| Richland.....        | 28        | 3    | 19,634   | 16,839 | 16,505 | 16,004 | 10,794 | 19,823                                | 17,135 | 16,080 | 16,308 | 10,902 | 18,372   | 15,330 | 16,294 | 14,092 | 10,478 |
| Sabine.....          | 26        | 3    | 8,517  | 9,676  | 7,037  | 6,353  | 5,203  | 8,323                                 | 9,864  | 7,582  | 6,287  | 5,144  | 7,827  | 8,986  | 7,176  | 5,724  | 4,868  |
| St. Helena.....      | 10        | 11   | 1,027  | 875    | 757    | 789    | 888    | 933                                   | 828    | 683    | 767    | 838    | 980  | 834    | 747    | 653    | 882    |
| St. Landry.....      | 47        | 13   | 22,659   | 15,574 | 14,226 | 16,183 | 15,373 | 21,930                                | 14,951 | 13,950 | 15,757 | 14,391 | 21,616   | 15,154 | 14,084 | 15,004 | 15,108 |
| St. Martin.....      | 5         | 9    | 1,651  | 990    | 397    | 1,306  | 1,479  | 1,509                                 | 982    | 404    | 1,370  | 1,430  | 613  | 546    | 366    | 1,290  | 1,457  |
| St. Tammany.....     | 6         | 1    | 296  | 269    |        |        |        | 258                                   | 264    |        |        |        | 206  | 132    |        |        |        |
| Tangipahoa.....      | 8         | 3    | 976  | 1,073  | 642    | 355    | 514    | 948                                   | 1,054  | 624    | 379    | 478    | 503  | 640    | 603    | 310    | 505    |
| Tensas.....          | 60        | 24   | 9,790  | 8,305  | 8,399  | 16,212 | 10,911 | 10,191                                | 8,484  | 8,694  | 10,392 | 11,010 | 7,653  | 6,078  | 7,839  | 14,937 | 10,237 |
| Union.....           | 40        | 7    | 12,192   | 11,264 | 8,295  | 4,148  | 3,751  | 11,892                                | 11,456 | 8,380  | 4,185  | 3,686  | 11,185   | 10,379 | 8,062  | 3,425  | 3,458  |
| Vermilion.....       | 4         | 3    | 2,464  | 1,778  | 1,220  | 1,183  | 1,549  | 2,544                                 | 1,852  | 1,225  | 1,251  | 1,728  | 1,802  | 1,654  | 1,150  | 803    | 1,530  |
| Vernon.....          | 22        | 1    | 1,664  | 1,467  | 1,078  | 1,147  | 947    | 1,611                                 | 1,434  | 1,042  | 1,067  | 820    | 1,324  | 614    | 556    | 457    | 416    |
| Washington.....      | 23        | 1    | 2,843  | 2,005  | 1,711  | 1,440  | 3,080  | 2,566                                 | 1,875  | 1,581  | 1,345  | 2,926  | 2,677  | 1,900  | 1,073  | 1,417  | 2,936  |
| Webster.....         | 26        | 3    | 13,222   | 13,432 | 10,586 | 9,409  | 7,075  | 13,143                                | 14,056 | 10,823 | 9,661  | 7,165  | 11,745   | 11,799 | 10,315 | 8,664  | 6,822  |
| West Carroll.....    | 6         | ---  | 5,887  | 6,194  | 5,066  | 2,787  | 2,409  | 5,997                                 | 6,330  | 5,260  | 2,785  | 2,502  | 5,733  | 5,061  | 4,961  | 1,997  | 2,234  |
| West Feliciana.....  | 5         | 16   | 1,145  | 717    | 856    | 744    | 431    | 1,103                                 | 661    | 831    | 717    | 405    | 1,085  | 706    | 848    | 715    | 387    |
| Winn.....            | 26        | 1    | 3,215  | 3,645  | 2,553  | 2,065  | 1,118  | 3,179                                 | 2,593  | 2,393  | 1,961  | 1,031  | 2,805  | 3,170  | 2,366  | 1,190  | 833    |
| All other.....       | 10        | 28   | 1,094  | 1,010  | 652    | 789    | 920    | 983                                   | 919    | 617    | 746    | 859    | 510  | 358    | 262    | 342    | 776    |

## MISSISSIPPI.

[See map on page 90.]

| The state..          | 2,359 | 455 | 1,217,883 | 1,251,841 | 1,004,376 | 1,169,066 | 1,212,104 | 1,245,535 | 1,310,743 | 1,046,418 | 1,203,545 | 1,262,680 | 1,082,816 | 1,084,680 | 883,458 | 996,601 | 1,066,216 |
|----------------------|-------|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|-----------|
| Adams.....           | 8     | 10  | 1,519     | 1,106     | 1,246     | 2,204     | 1,062     | 1,480     | 1,023     | 1,250     | 2,161     | 1,084     | 1,360     | 952       | 1,049   | 2,141   | -1,020    |
| Alcorn.....          | 34    | 2   | 13,379    | 10,170    | 7,719     | 10,553    | 7,978     | 13,639    | 10,400    | 7,971     | 10,935    | 8,090     | 12,140    | 9,825     | 6,303   | 8,879   | 7,380     |
| Amite.....           | 20    | 21  | 2,846     | 2,586     | 2,736     | 1,398     | 3,533     | 2,642     | 2,564     | 2,747     | 1,287     | 3,363     | 2,693     | 2,446     | 2,671   | 1,281   | 3,435     |
| Attala.....          | 47    | 1   | 9,978     | 10,710    | 12,717    | 21,431    | 21,122    | 9,669     | 10,575    | 12,623    | 21,140    | 21,097    | 8,899     | 10,200    | 11,958  | 18,438  | 19,426    |
| Benton.....          | 36    | 2   | 9,787     | 8,535     | 6,141     | 8,253     | 6,975     | 10,133    | 8,871     | 6,199     | 8,614     | 7,067     | 8,730     | 8,273     | 5,065   | 6,602   | 6,389     |
| Bolivar.....         | 92    | 8   | 107,485   | 112,755   | 77,558    | 54,792    | 71,175    | 115,020   | 128,200   | 84,810    | 60,354    | 79,531    | 94,454    | 84,937    | 62,641  | 45,128  | 57,082    |
| Calhoun.....         | 35    | 4   | 11,134    | 13,026    | 10,750    | 14,665    | 9,249     | 11,059    | 13,075    | 11,012    | 14,630    | 9,301     | 9,990     | 12,455    | 8,707   | 11,203  | 7,480     |
| Carroll.....         | 32    | 3   | 15,287    | 16,154    | 10,080    | 19,705    | 19,255    | 14,993    | 16,393    | 16,315    | 19,768    | 19,444    | 14,383    | 15,285    | 14,880  | 16,147  | 17,059    |
| Chickasaw.....       | 23    | 4   | 16,925    | 20,492    | 15,579    | 20,708    | 14,296    | 17,724    | 21,545    | 16,339    | 21,055    | 14,902    | 15,582    | 19,903    | 14,591  | 19,199  | 13,673    |
| Choctaw.....         | 24    | 2   | 4,477     | 5,792     | 7,172     | 9,345     | 7,542     | 4,281     | 5,646     | 7,271     | 9,310     | 7,623     | 4,077     | 5,647     | 6,540   | 8,216   | 6,770     |
| Claiborne.....       | 13    | 14  | 4,896     | 4,186     | 3,760     | 4,341     | 4,931     | 4,328     | 3,820     | 3,795     | 4,289     | 4,594     | 4,117     | 3,743     | 4,125   | 4,899   |           |
| Clarke.....          | 10    | 10  | 2,438     | 1,654     | 4,883     | 12,965    | 10,122    | 2,479     | 1,730     | 4,976     | 13,486    | 10,632    | 2,050     | 1,561     | 4,423   | 11,245  | 9,217     |
| Clay.....            | 25    | 11  | 11,241    | 14,095    | 10,556    | 14,014    | 14,455    | 11,730    | 15,538    | 11,016    | 14,493    | 15,473    | 10,632    | 14,505    | 10,064  | 13,800  | 12,913    |
| Coahoma.....         | 84    | 3   | 87,510    | 80,105    | 63,856    | 43,127    | 61,015    | 87,422    | 82,236    | 65,525    | 45,421    | 60,698    | 68,583    | 55,655    | 50,632  | 31,707  | 37,831    |
| Copiah.....          | 26    | 14  | 3,855     | 2,540     | 2,545     | 6,853     | 14,265    | 3,760     | 2,522     | 2,407     | 5,566     | 14,048    | 3,656     | 2,406     | 2,450   | 5,521   | 13,929    |
| Covington.....       | 19    | 2   | 2,895     | 2,166     | 2,755     | 5,218     | 8,024     | 2,725     | 1,978     | 2,592     | 4,883     | 8,628     | 2,558     | 1,090     | 2,617   | 4,687   | 8,301     |
| De Soto.....         | 34    | 1   | 30,308    | 28,859    | 21,100    | 29,038    | 18,358    | 31,690    | 29,935    | 22,687    | 31,788    | 19,443    | 25,249    | 25,268    | 17,733  | 25,116  | 15,209    |
| Forrest.....         | 4     | 3   | 1,612     | 979       | 852       | 2,382     | 3,361     | 1,577     | 975       | 849       | 2,304     | 3,348     | 1,497     | 958       | 798     | 2,161   | 3,200     |
| Franklin.....        | 10    | 10  | 1,150     | 600       | 608       | 690       | 1,314     | 1,090     | 595       | 587       | 654       | 1,183     | 865       | 570       | 557     | 614     | 1,250     |
| Grenada.....         | 21    | 6   | 11,681    | 13,706    | 12,213    | 15,573    | 9,901     | 11,354    | 13,506    | 12,611    | 15,838    | 9,917     | 11,109    | 13,042    | 10,831  | 11,758  | 8,947     |
| Hinds.....           | 35    | 9   | 21,391    | 18,641    | 17,798    | 21,585    | 30,797    | 20,878    | 18,518    | 17,503    | 21,356    | 31,265    | 20,777    | 18,323    | 17,682  | 21,256  | 30,202    |
| Holmes.....          | 56    | 19  | 32,778    | 35,789    | 30,274    | 34,819    | 42,406    | 33,519    | 37,132    | 31,718    | 36,197    | 45,075    | 30,756    | 32,406    | 27,682  | 31,381  | 38,134    |
| Issaquena.....       | 21    | 1   | 6,165     | 5,858     | 8,533     | 9,404     | 18,332    | 6,552     | 6,164     | 9,421     | 9,933     | 14,111    | 4,663     | 3,991     | 7,194   | 7,803   | 9,210     |
| Itawamba.....        | 35    | 1   | 11,325    | 11,014    | 8,830     | 11,197    | 7,528     | 11,545    | 11,525    | 8,711     | 11,696    | 7,805     | 10,356    | 10,817    | 6,720   | 9,915   | 7,048     |
| Jasper.....          | 22    | 11  | 3,609     | 2,640     | 4,628     | 12,530    | 13,887    | 3,465     | 2,525     | 4,298     | 12,452    | 13,781    | 3,367     | 2,490     | 4,483   | 11,482  | 13,040    |
| Jefferson.....       | 17    | 12  | 3,740     | 2,986     | 3,400     | 4,565     | 3,593     | 3,498     | 2,867     | 3,086     | 4,152     | 3,155     | 3,013     | 2,761     | 3,266   | 3,970   | 3,404     |
| Jefferson Davis..... | 20    | 11  | 5,049     | 3,561     | 3,698     | 6,272     | 11,621    | 4,701     | 3,304     | 3,514     | 6,030     | 11,440    | 4,722     | 3,445     | 3,586   | 6,121   | 11,180    |
| Jones.....           | 12    | 4   | 4,727     | 3,540     | 5,103     | 10,842    | 12,163    | 4,454     | 3,291     | 4,805     | 10,192    | 11,679    | 4,026     | 3,819     | 4,741   | 9,536   | 11,299    |
| Kemper.....          | 62    | 5   | 9,451     | 12,547    | 17,823    | 21,224    | 18,772    | 9,648     | 13,004    | 18,482    | 22,056    | 19,587    | 8,385     | 12,086    | 15,770  | 18,318  | 17,379    |
| Lafayette.....       | 54    | 5   | 14,599    | 14,537    | 12,423    | 15,811    | 11,834    | 14,374    | 14,063    | 12,329    | 15,779    | 11,905    | 12,563    | 13,929    | 10,189  | 12,230  | 9,747     |
| Lamar.....           | 8     | 6   | 829       | 859       | 231       | 1,373     | 2,693     | 730       | 326       | 215       | 1,357     | 2,553     | 608       | 286       | 207     | 612     | 2,401     |
| Lauderdale.....      | 38    | 12  | 4,640     | 7,035     | 16,145    | 24,044    | 19,257    | 4,734     | 7,267     | 16,513    | 24,818    | 19,715    | 3,852     | 6,304     | 14,823  | 20,887  | 17,079    |
| Lawrence.....        | 17    | 2   | 5,020     | 3,179     | 2,102     | 2,495     | 6,383     | 4,867     | 3,032     | 2,035     | 2,401     | 6,225     | 4,826     | 3,062     | 2,042   | 2,272   | 6,164     |
| Leake.....           | 43    | 5   | 6,752     | 5,835     | 7,653     | 13,577    | 14,220    | 6,508     | 5,611     | 7,411     | 13,493    | 14,095    | 5,888     | 5,422     | 7,245   | 12,208  | 13,103    |

## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 17.—NUMBER OF GINNERIES IN 1914 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1910 TO 1914, BY COUNTIES—Continued.

| COUNTY.                | GINNERIES |      | TOTAL QUANTITY GINNED.                             |        |        |        |        |                                       |        |        |        |        | NUMBER OF BALES GINNED TO DEC. 13<br>(COUNTING ROUND AS HALF BALES)— |        |        |        |        |
|------------------------|-----------|------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|--|--------|--------|--------|--------|
|                        | Active    | Idle | Number of bales (counting round as half<br>bales)— |        |        |        |        | Number of equivalent 500-pound bales— |        |        |        |        | 1914   | 1913   | 1912   | 1911   | 1910   |
|                        |           |      | 1914   | 1913   | 1912   | 1911   | 1910   | 1914                                  | 1913   | 1912   | 1911   | 1910   |  |        |        |        |        |
| MISSISSIPPI—Continued. |           |      |  |        |        |        |        |                                       |        |        |        |        |  |        |        |        |        |
| Newton.....            | 22        | 27   | 2,714  | 2,526  | 6,948  | 19,462 | 17,698 | 2,576                                 | 2,451  | 6,678  | 19,178 | 17,808 | 2,217  | 2,216  | 6,173  | 16,642 | 15,952 |
| Nominee.....           | 40        | 2    | 18,806   | 24,503 | 18,213 | 21,688 | 27,489 | 20,021                                | 25,361 | 18,881 | 22,187 | 29,072 | 16,835   | 23,478 | 17,009 | 19,326 | 26,532 |
| Okfuskee.....          | 22        | 2    | 8,556  | 13,312 | 9,918  | 12,221 | 12,927 | 8,640                                 | 13,770 | 10,323 | 12,639 | 13,666 | 8,016  | 13,045 | 9,239  | 11,439 | 12,438 |
| Panola.....            | 52        | 9    | 34,846   | 35,360 | 29,010 | 33,102 | 20,799 | 35,738                                | 37,227 | 30,563 | 34,638 | 21,864 | 31,790   | 34,013 | 20,323 | 20,020 | 18,571 |
| Perry.....             | 4         | 2    | 1,047  | 607    | 466    | 1,524  | 1,439  | 1,024                                 | 694    | 459    | 1,512  | 1,395  | 987  | 649    | 404    | 1,288  | 1,330  |
| Pike.....              | 24        | 2    | 5,383  | 4,182  | 3,835  | 3,742  | 9,121  | 5,047                                 | 4,012  | 3,651  | 3,676  | 8,607  | 5,155  | 4,022  | 3,511  | 3,356  | 8,608  |
| Pontotoc.....          | 23        | 2    | 19,444   | 16,812 | 13,788 | 16,062 | 10,889 | 19,953                                | 17,293 | 14,364 | 16,518 | 11,161 | 18,343   | 16,528 | 12,349 | 14,383 | 10,321 |
| Prentiss.....          | 28        | 4    | 16,627   | 14,440 | 11,166 | 12,813 | 10,832 | 17,066                                | 14,888 | 11,374 | 13,282 | 11,365 | 15,272   | 13,919 | 9,026  | 11,204 | 10,099 |
| Quitman.....           | 32        | 2    | 20,797   | 19,881 | 16,244 | 14,475 | 11,792 | 21,175                                | 20,748 | 16,868 | 14,698 | 12,683 | 18,164   | 16,061 | 13,117 | 10,542 | 9,863  |
| Rankin.....            | 22        | 18   | 2,999  | 2,073  | 2,008  | 7,807  | 16,117 | 2,925                                 | 1,832  | 2,419  | 7,417  | 15,621 | 2,681  | 2,014  | 2,498  | 7,141  | 14,885 |
| Scott.....             | 20        | 12   | 1,838  | 1,290  | 2,058  | 8,658  | 11,018 | 1,786                                 | 1,238  | 1,965  | 8,469  | 11,210 | 1,616  | 1,186  | 1,796  | 7,747  | 10,182 |
| Sharkey.....           | 29        | 4    | 17,914   | 20,178 | 13,224 | 15,944 | 22,136 | 19,326                                | 23,511 | 15,133 | 18,460 | 24,527 | 16,644   | 13,734 | 11,683 | 13,466 | 16,774 |
| Simmons.....           | 21        | 4    | 4,670  | 3,362  | 2,791  | 5,479  | 12,377 | 4,397                                 | 3,183  | 2,520  | 4,914  | 11,666 | 4,505  | 3,282  | 2,665  | 5,247  | 11,835 |
| Smith.....             | 30        | 6    | 3,699  | 2,827  | 3,659  | 8,743  | 13,358 | 3,642                                 | 2,665  | 3,739  | 8,101  | 12,992 | 3,322  | 2,747  | 3,512  | 8,249  | 12,525 |
| Sunflower.....         | 72        | 4    | 78,064   | 89,776 | 59,047 | 43,003 | 50,715 | 81,265                                | 97,634 | 64,113 | 40,885 | 52,875 | 70,212   | 71,676 | 50,714 | 38,672 | 41,525 |
| Tallahatchie.....      | 57        | 2    | 50,293   | 49,176 | 39,086 | 37,808 | 32,467 | 52,502                                | 50,732 | 41,173 | 39,199 | 33,460 | 41,207   | 40,762 | 33,369 | 28,261 | 25,687 |
| Tate.....              | 26        | 3    | 23,496   | 20,890 | 14,814 | 17,673 | 11,654 | 24,640                                | 21,603 | 15,729 | 18,532 | 12,855 | 20,973   | 19,550 | 13,306 | 15,791 | 10,852 |
| Tippecanoe.....        | 20        | 1    | 12,720   | 10,684 | 8,493  | 10,726 | 8,969  | 12,951                                | 10,923 | 8,618  | 11,035 | 9,303  | 11,259   | 10,245 | 6,948  | 8,755  | 7,997  |
| Tishomingo.....        | 25        | 10   | 10,835   | 8,191  | 6,503  | 8,209  | 5,730  | 11,150                                | 8,471  | 6,746  | 8,531  | 5,712  | 9,921  | 7,939  | 5,723  | 7,036  | 5,421  |
| Tunica.....            | 38        | 4    | 37,679   | 35,338 | 25,826 | 29,519 | 24,034 | 39,608                                | 37,381 | 27,226 | 31,030 | 25,404 | 28,120   | 26,332 | 20,695 | 21,573 | 18,149 |
| Union.....             | 23        | 2    | 14,973   | 13,238 | 10,897 | 13,038 | 10,609 | 15,557                                | 13,913 | 11,143 | 13,520 | 11,089 | 14,053   | 12,946 | 9,463  | 11,551 | 9,838  |
| Walthall.....          | 21        | 2    | 3,454  | 7,602  | 5,684  | 8,177  | 8,395  | 3,309                                 | 7,437  | 5,517  | 7,880  | 8,031  | 3,221  | 7,804  | 4,969  | 6,672  | 6,829  |
| Warren.....            | 22        | 17   | 9,170  | 7,602  | 5,684  | 8,177  | 8,395  | 8,038                                 | 7,437  | 5,517  | 7,880  | 8,031  | 3,221  | 7,804  | 4,969  | 6,672  | 6,829  |
| Washington.....        | 76        | 12   | 68,966   | 87,412 | 50,818 | 45,441 | 63,485 | 73,528                                | 98,570 | 57,207 | 50,978 | 72,751 | 65,229   | 60,477 | 44,528 | 41,374 | 61,613 |
| Wayne.....             | 18        | 3    | 3,885  | 2,217  | 2,773  | 5,643  | 4,221  | 3,400                                 | 2,336  | 2,907  | 5,722  | 4,288  | 2,966  | 2,051  | 2,510  | 4,701  | 3,768  |
| Webster.....           | 28        | 2    | 9,283  | 11,342 | 10,533 | 13,698 | 11,086 | 8,966                                 | 10,886 | 10,487 | 13,556 | 10,778 | 8,444  | 11,101 | 9,342  | 11,943 | 10,211 |
| Wilkinson.....         | 13        | 18   | 1,795  | 1,075  | 936    | 1,628  | 1,186  | 1,804                                 | 961    | 881    | 1,563  | 1,152  | 1,325  | 859    | 808    | 1,524  | 1,093  |
| Winston.....           | 33        | 2    | 5,484  | 8,346  | 11,750 | 14,385 | 13,438 | 5,641                                 | 8,556  | 12,248 | 14,615 | 14,405 | 4,963  | 7,089  | 10,259 | 10,936 | 12,174 |
| Yalobusha.....         | 40        | 6    | 15,842   | 18,394 | 14,819 | 18,594 | 11,127 | 15,674                                | 18,350 | 15,302 | 19,170 | 11,165 | 14,489   | 17,774 | 12,954 | 14,772 | 9,756  |
| Yazoo.....             | 59        | 11   | 31,344   | 30,499 | 16,437 | 24,767 | 40,950 | 30,498                                | 30,409 | 16,421 | 23,780 | 40,884 | 28,496   | 26,823 | 15,995 | 22,556 | 37,705 |
| All other.....         | 9         | 8    | 1,292  | 491    | 276    | 943    | 1,604  | 1,243                                 | 505    | 276    | 939    | 1,601  | 1,009  | 421    | 206    | 792    | 1,453  |

## MISSOURI.

| The state...    | 98 | 14 | 78,403 | 63,761 | 53,538 | 91,119 | 58,622 | 81,752 | 67,105 | 55,691 | 96,808 | 59,633 | 64,788 | 59,376 | 45,732 | 67,967 | 44,993 |
|-----------------|----|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Dunklin.....    | 30 | 3  | 35,363 | 30,458 | 27,364 | 38,935 | 25,251 | 36,609 | 31,701 | 28,480 | 40,975 | 25,035 | 29,316 | 28,518 | 23,155 | 29,318 | 19,971 |
| New Madrid..... | 12 | 2  | 11,521 | 9,294  | 6,015  | 14,249 | 8,971  | 12,012 | 9,967  | 6,827  | 15,204 | 9,046  | 9,410  | 8,757  | 5,686  | 10,337 | 6,533  |
| Oregon.....     | 3  | 2  | 533    | 338    | 170    | 794    | 346    | 156    | 348    | 175    | 818    | 360    | 44     | 307    | 128    | 493    | 224    |
| Ozark.....      | 12 | 1  | 13,529 | 13,373 | 13,373 | 16,607 | 1,555  | 523    | 724    | 794    | 1,303  | 1,587  | 411    | 509    | 672    | 959    | 681    |
| Pemiscot.....   | 21 | 4  | 23,629 | 16,575 | 13,044 | 23,836 | 16,350 | 24,735 | 17,702 | 13,654 | 25,101 | 16,860 | 19,695 | 15,309 | 11,488 | 17,826 | 12,603 |
| Stoddard.....   | 6  | 1  | 3,956  | 4,034  | 3,600  | 7,444  | 4,677  | 4,214  | 4,251  | 3,732  | 7,864  | 5,010  | 2,943  | 3,901  | 3,206  | 6,442  | 3,646  |
| Taney.....      | 6  | 1  | 503    | 511    | 462    | 634    | 833    | 514    | 522    | 471    | 651    | 893    | 456    | 386    | 412    | 475    | 540    |
| All other.....  | 8  | 1  | 2,821  | 1,850  | 1,474  | 3,925  | 839    | 2,989  | 1,890  | 1,558  | 4,183  | 842    | 2,500  | 1,689  | 985    | 2,117  | 505    |

## NORTH CAROLINA.

[See map on page 100.]

|  |       |     |         |         |         |           |         |         |         |         |           |         |         |         |         |         |         |
|--|-------|-----|---------|---------|---------|-----------|---------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|---------|
| [see map on page 100.]   |       |     |         |         |         |           |         |         |         |         |           |         |         |         |         |         |         |
| The state.....   | 2,625 | 313 | 970,479 | 837,935 | 806,351 | 1,128,276 | 753,087 | 930,631 | 702,645 | 865,653 | 1,075,826 | 706,142 | 766,445 | 708,598 | 819,662 | 913,944 | 664,722 |
| Alamance.....  | 12    | 5   | 969     | 1,466   | 1,139   | 1,608     | 1,419   | 826     | 1,300   | 1,009   | 1,444     | 1,294   | 572     | 1,203   | 960     | 1,167   | 1,159   |
| Alexander.....   | 10    | 2   | 2,214   | 2,591   | 2,575   | 2,469     | 2,148   | 2,072   | 2,438   | 2,318   | 2,233     | 1,966   | 1,510   | 2,230   | 2,339   | 1,964   | 1,712   |
| Ashe.....  | 74    | 2   | 20,496  | 25,515  | 22,420  | 29,181    | 24,371  | 26,440  | 24,790  | 21,927  | 27,961    | 23,694  | 22,446  | 23,067  | 21,412  | 4,691   | 21,914  |
| Beaufort.....  | 25    | 2   | 13,621  | 9,551   | 13,820  | 17,231    | 8,234   | 13,727  | 9,351   | 13,707  | 17,369    | 7,816   | 9,283   | 7,477   | 12,344  | 14,212  | 7,307   |
| Bertie.....  | 58    | 1   | 13,529  | 13,373  | 13,320  | 16,607    | 9,596   | 13,655  | 13,461  | 13,448  | 17,215    | 9,588   | 9,639   | 9,453   | 11,510  | 11,196  | 7,891   |
| Bladen.....  | 30    | 1   | 11,897  | 7,958   | 8,040   | 10,848    | 5,626   | 11,742  | 7,530   | 7,923   | 10,839    | 5,516   | 9,202   | 6,879   | 7,453   | 9,882   | 5,261   |
| Brunswick.....   | 10    | 1   | 943     | 768     | 538     | 1,177     | 940     | 955     | 785     | 670     | 1,212     | 948     | 438     | 356     | 339     | 726     | 469     |
| Cabarrus.....  | 41    | 12  | 13,137  | 12,676  | 12,183  | 10,886    | 12,147  | 13,066  | 12,526  | 12,037  | 10,433    | 11,911  | 11,583  | 11,591  | 11,443  | 9,687   | 11,031  |
| Camden.....  | 10    | 1   | 4,520   | 4,040   | 4,102   | 5,271     | 2,206   | 4,770   | 4,210   | 4,358   | 5,577     | 2,314   | 3,904   | 3,652   | 4,067   | 4,715   | 2,081   |
| Carteret.....  | 9     | 1   | 2,188   | 1,710   | 2,103   | 2,951     | 1,664   | 2,168   | 1,644   | 2,001   | 2,894     | 1,536   | 1,418   | 1,317   | 1,829   | 1,545   | 1,074   |
| Catawba.....   | 32    | 3   | 9,953   | 10,137  | 9,073   | 8,915     | 7,887   | 8,761   | 8,860   | 7,892   | 7,893     | 7,024   | 7,717   | 9,518   | 8,251   | 7,730   | 7,356   |
| Chatham.....   | 53    | 5   | 8,437   | 8,803   | 7,385   | 11,163    | 8,628   | 7,344   | 7,470   | 6,395   | 9,607     | 7,289   | 6,810   | 7,943   | 7,033   | 9,773   | 7,513   |
| Chowan.....  | 18    | 2   | 5,712   | 4,888   | 5,420   | 6,788     | 3,571   | 5,969   | 5,044   | 5,064   | 7,278     | 3,714   | 4,783   | 3,788   | 4,617   | 5,294   | 3,153   |
| Cleveland.....   | 51    | 2   | 24,584  | 23,482  | 20,155  | 23,640    | 18,574  | 23,596  | 22,017  | 19,087  | 22,737    | 17,482  | 21,882  | 21,452  | 18,855  | 21,992  | 17,325  |
| Columbus.....  | 19    | 2   | 11,841  | 9,114   | 9,157   | 13,484    | 6,221   | 11,758  | 8,919   | 9,294   | 13,605    | 5,983   | 9,459   | 8,129   | 18,855  | 10,736  | 5,754   |
| Craven.....  | 29    | 4   | 7,642   | 5,395   | 7,563   | 11,546    | 6,055   | 7,741   | 5,261   | 7,481   | 11,558    | 5,692   | 5,112   | 4,481   | 6,690   | 8,766   | 5,074   |
| Cumberland &<br>Currituck.....   | 55    | 2   | 25,519  | 19,155  | 21,272  | 24,102    | 19,095  | 24,151  | 17,998  | 20,230  | 22,747    | 17,598  | 22,077  | 17,491  | 20,194  | 20,099  | 17,419  |
| Davidson.....  | 4     | 1   | 1,275   | 1,340   | 2,583   | 2,662     | 3,123   | 1,191   | 1,276   | 2,403   | 2,410     | 2,661   | 1,027   | 524     | 2,363   | 1,921   | 2,598   |
| Davie.....   | 12    | 2   | 1,919   | 2,450   | 2,551   | 2,479     | 1,752   | 2,647   | 2,403   | 2,410   | 2,661     | 1,027   | 1,282   | 2,523   | 2,611   | 2,059   | 1,937   |
| Duplin.....  | 11    | 2   | 1,759   | 2,649   | 2,901   | 2,551     | 2,479   | 1,528   | 2,349   | 2,600   | 2,256     | 2,219   | 1,012   | 2,153   | 2,611   | 2,059   | 1,937   |
| Durham.....  | 35    | 11  | 13,394  | 10,645  | 12,960  | 15,417    | 9,199   | 12,730  | 10,004  | 12,535  | 14,677    | 8,204   | 10,083  | 9,306   | 12,131  | 12,598  | 8,306   |
| Edgecombe.....   | 10    | 3   | 1,044   | 1,484   | 1,150   | 2,224     | 1,017   | 912     | 1,307   | 971     | 1,961     | 900     | 777     | 1,259   | 1,080   | 1,861   | 850     |
| Fayette.....   | 127   | 12  | 29,632  | 29,676  | 37,219  | 46,093    | 28,910  | 27,842  | 27,711  | 34,055  | 42,479    | 26,019  | 22,297  | 20,541  | 32,348  | 34,072  | 24,207  |
| Gaston.....  | 51    | 19  | 14,352  | 15,536  | 13,899  | 23,045    | 13,585  | 13,322  | 14,097  | 12,428  | 21,178    | 12,137  | 11,964  | 12,721  | 12,771  | 20,642  | 11,515  |
| Gates.....   | 26    | 7   | 9,920   | 13,706  | 12,143  | 14,583    | 14,852  | 9,680   | 12,974  | 11,560  | 13,535    | 13,486  | 7,878   | 12,178  | 10,738  | 12,755  | 13,935  |
| Granville.....   | 21    | 1   | 6,363   | 5,207   | 4,721   | 6,477     | 3,834   | 6,546   | 5,399   | 4,836   | 6,508     | 3,864   | 4,706   | 4,384   | 4,514   | 5,365   | 3,546   |
| Greene.....  | 11    | 3   | 1,411   | 1,525   | 1,431   | 2,645     | 1,710   | 1,278   | 1,353   | 1,292   | 2,350     | 1,521   | 1,128   | 1,277   | 1,351   | 2,233   | 1,469   |
| Hoke.....  | 32    | 14  | 13,179  | 8,008   | 14,817  | 17,504    | 9,813   | 12,929  | 14,864  | 17,704  | 9,538     | 7,886   | 6,189   | 1,279   | 12,334  | 12,572  | 8,880   |
| Halifax.....   | 123   | 8   | 32,491  | 32,110  | 32,031  | 40,206    | 23,315  | 31,497  | 30,453  | 31,044  | 38,019    | 21,977  | 26,640  | 26,640  | 26,640  | 26,640  | 26,640  |
| 1 Walthall County organized from parts of Marion and Pike.<br>2 Hoke County organized from parts of Marion and Pike. |       |     |         |         |         |           |         |         |         |         |           |         |         |         |         |         |         |

TABLE 17.—NUMBER OF GINNERIES IN 1914 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1910 TO 1914, BY COUNTIES—Continued.

| COUNTY.                   | GINNERIES   |      | TOTAL QUANTITY GINNED.                             |        |        |        |        |                                       |        |        |        |        | NUMBER OF BALES GINNED TO DEC. 13<br>(COUNTING ROUND AS HALF BALES)— |        |        |        |        |
|---------------------------|-------------|------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|--|--------|--------|--------|--------|
|                           | Ac-<br>tive | Idle | Number of bales (counting round as half<br>bales)— |        |        |        |        | Number of equivalent 500-pound bales— |        |        |        |        | 1914   | 1913   | 1912   | 1911   | 1910   |
|                           |             |      | 1914   | 1913   | 1912   | 1911   | 1910   | 1914                                  | 1913   | 1912   | 1911   | 1910   |  |        |        |        |        |
| NORTH CAROLINA—Continued. |             |      |  |        |        |        |        |                                       |        |        |        |        |  |        |        |        |        |
| Harnett.....              | 46          | 7    | 24,083   | 19,463 | 20,275 | 25,336 | 13,339 | 22,455                                | 17,875 | 18,227 | 22,777 | 11,784 | 21,732   | 17,677 | 19,531 | 23,174 | 12,347 |
| Hertford.....             | 24          | 4    | 6,086  | 5,039  | 6,327  | 7,908  | 3,991  | 6,002                                 | 5,113  | 6,339  | 7,828  | 3,898  | 4,120  | 3,485  | 5,150  | 5,501  | 3,418  |
| Hoke.....                 | 24          | 7    | 16,457   | 14,490 | 13,659 | 16,316 | 15,944 | 14,255                                | 13,766 | 16,019 | 14,188 | 13,343 | 12,743   | 13,498 | 13,498 | 13,498 | 735    |
| Hyde.....                 | 5           | 2    | 1,255  | 881    | 1,885  | 2,759  | 1,320  | 1,258                                 | 871    | 2,163  | 2,804  | 1,345  | 934  | 439    | 55     | 715    | 735    |
| Iredell.....              | 46          | 6    | 11,921   | 15,108 | 12,372 | 10,931 | 12,039 | 11,156                                | 14,214 | 11,647 | 9,936  | 11,064 | 9,109  | 13,233 | 10,982 | 9,060  | 10,713 |
| Johnston.....             | 94          | 12   | 54,930   | 38,751 | 44,309 | 59,715 | 36,254 | 50,085                                | 34,915 | 38,921 | 54,615 | 31,577 | 43,748   | 34,593 | 41,195 | 40,338 | 32,479 |
| Jones.....                | 29          | 2    | 8,406  | 5,068  | 7,116  | 10,477 | 5,088  | 8,475                                 | 5,152  | 7,189  | 10,339 | 4,708  | 5,923  | 4,528  | 6,238  | 8,503  | 4,774  |
| Lee.....                  | 19          | 2    | 7,943  | 6,787  | 6,207  | 7,852  | 5,201  | 6,980                                 | 5,720  | 5,275  | 6,750  | 4,485  | 6,812  | 5,904  | 5,860  | 6,823  | 4,471  |
| Lenoir.....               | 54          | 2    | 15,754   | 10,616 | 15,480 | 20,635 | 9,735  | 15,067                                | 9,890  | 15,375 | 20,594 | 9,435  | 10,750   | 8,985  | 14,058 | 17,465 | 9,302  |
| Lincoln.....              | 36          | 3    | 8,782  | 8,522  | 7,416  | 8,274  | 8,249  | 8,018                                 | 8,099  | 6,631  | 7,323  | 7,381  | 7,143  | 7,986  | 6,465  | 7,606  | 7,565  |
| Martin.....               | 49          | 3    | 11,868   | 9,745  | 10,960 | 13,649 | 6,642  | 12,008                                | 9,484  | 10,025 | 13,728 | 6,541  | 7,824  | 6,832  | 8,018  | 9,825  | 559    |
| Mecklenburg.....          | 55          | 12   | 27,027   | 31,164 | 28,178 | 30,769 | 33,669 | 26,881                                | 30,622 | 28,285 | 30,307 | 32,584 | 21,351   | 27,458 | 25,523 | 27,042 | 30,987 |
| Montgomery.....           | 30          | 4    | 5,757  | 5,237  | 5,093  | 6,881  | 5,259  | 5,691                                 | 5,069  | 5,060  | 6,408  | 5,008  | 4,440  | 4,051  | 4,720  | 5,319  | 4,754  |
| Moore.....                | 28          | 5    | 4,129  | 4,017  | 3,755  | 4,722  | 1,936  | 3,961                                 | 3,571  | 3,343  | 4,582  | 1,716  | 3,438  | 3,632  | 3,399  | 3,703  | 1,644  |
| Nash.....                 | 55          | 7    | 30,656   | 20,860 | 32,004 | 41,666 | 24,844 | 27,609                                | 27,418 | 28,637 | 37,091 | 22,320 | 22,828   | 22,780 | 28,583 | 32,192 | 20,520 |
| Northampton.....          | 70          | 10   | 18,965   | 16,171 | 15,112 | 18,717 | 11,559 | 19,428                                | 16,349 | 15,082 | 18,979 | 11,575 | 15,628   | 12,766 | 14,021 | 14,787 | 9,245  |
| Onslow.....               | 22          | 1    | 6,908  | 4,437  | 4,922  | 7,075  | 4,440  | 6,611                                 | 4,255  | 4,475  | 6,711  | 4,039  | 4,820  | 3,431  | 4,221  | 4,973  | 3,736  |
| Orange.....               | 16          | 2    | 1,466  | 1,738  | 1,372  | 2,547  | 1,802  | 1,280                                 | 1,531  | 1,168  | 2,269  | 1,594  | 901  | 1,523  | 1,265  | 2,121  | 1,427  |
| Pamlico.....              | 16          | 2    | 7,736  | 4,682  | 6,502  | 8,848  | 4,966  | 7,851                                 | 4,699  | 6,492  | 8,981  | 5,126  | 5,833  | 3,802  | 5,652  | 7,129  | 4,365  |
| Pasquotank.....           | 9           | 2    | 7,365  | 5,313  | 7,076  | 8,654  | 4,617  | 7,772                                 | 5,536  | 7,315  | 9,187  | 4,954  | 5,885  | 4,497  | 6,186  | 7,201  | 3,857  |
| Pender.....               | 10          | 1    | 2,529  | 1,737  | 2,054  | 3,720  | 1,247  | 2,463                                 | 1,588  | 1,904  | 3,611  | 1,160  | 1,620  | 1,401  | 969    | 855    | 130    |
| Perquimans.....           | 22          | .... | 8,713  | 7,308  | 8,598  | 9,934  | 5,158  | 8,758                                 | 7,212  | 8,658  | 10,246 | 5,356  | 7,473  | 6,501  | 7,918  | 8,793  | 4,510  |
| Pitt.....                 | 76          | 13   | 29,268   | 21,656 | 31,978 | 43,399 | 24,598 | 28,635                                | 20,735 | 31,258 | 42,925 | 23,354 | 16,600   | 16,194 | 27,420 | 31,151 | 22,169 |
| Polk.....                 | 4           | .... | 1,510  | 1,767  | 1,515  | 2,465  | 1,806  | 1,413                                 | 1,626  | 1,382  | 2,242  | 1,618  | 1,266  | 1,075  | 1,399  | 2,283  | 1,641  |
| Randolph.....             | 13          | 2    | 1,269  | 1,534  | 1,651  | 1,983  | 1,785  | 1,182                                 | 1,340  | 1,448  | 1,823  | 1,500  | 777  | 1,266  | 1,287  | 506    | 481    |
| Richmond.....             | 66          | 4    | 17,867   | 13,931 | 15,868 | 18,272 | 14,539 | 17,706                                | 13,209 | 15,217 | 17,998 | 14,094 | 15,515   | 13,028 | 15,242 | 15,149 | 13,025 |
| Robeson.....              | 99          | 0    | 74,141   | 54,039 | 62,332 | 70,812 | 62,944 | 70,316                                | 52,584 | 61,943 | 75,822 | 62,363 | 60,139   | 47,283 | 57,573 | 60,936 | 56,806 |
| Rowan.....                | 42          | 5    | 8,790  | 10,273 | 9,062  | 7,854  | 9,826  | 8,410                                 | 9,754  | 8,629  | 7,362  | 9,376  | 7,370  | 9,320  | 8,253  | 6,782  | 8,510  |
| Rutherford.....           | 31          | 5    | 12,090   | 10,268 | 9,206  | 11,836 | 8,948  | 11,311                                | 9,435  | 8,396  | 10,823 | 8,077  | 10,595   | 9,517  | 8,537  | 11,031 | 8,261  |
| Sampson.....              | 71          | 7    | 28,562   | 21,510 | 27,762 | 28,723 | 16,091 | 27,351                                | 20,159 | 26,652 | 27,482 | 14,167 | 23,196   | 17,582 | 23,049 | 21,972 | 13,868 |
| Scotland.....             | 40          | 3    | 38,154   | 27,649 | 31,962 | 32,743 | 25,819 | 38,314                                | 26,831 | 31,853 | 32,245 | 25,385 | 30,950   | 24,884 | 29,263 | 27,001 | 23,685 |
| Stanley.....              | 30          | 3    | 9,607  | 8,488  | 8,890  | 9,165  | 8,614  | 8,773                                 | 7,561  | 8,090  | 8,531  | 7,988  | 7,748  | 7,555  | 8,250  | 7,810  | 7,521  |
| Tyrrell.....              | 9           | 2    | 1,403  | 1,141  | 1,466  | 1,681  | 707    | 1,502                                 | 1,157  | 1,472  | 1,836  | 712    | 1,012  | 968    | 276    | 270    | 113    |
| Union.....                | 52          | 3    | 31,171   | 31,409 | 29,996 | 29,843 | 28,355 | 29,394                                | 29,669 | 28,844 | 28,184 | 26,864 | 25,463   | 27,164 | 27,858 | 26,149 | 25,841 |
| Vance.....                | 11          | 3    | 3,430  | 4,375  | 4,513  | 7,772  | 4,514  | 3,222                                 | 3,725  | 3,935  | 7,057  | 4,083  | 3,244  | 3,949  | 4,440  | 7,377  | 4,216  |
| Wake.....                 | 101         | 15   | 29,367   | 28,530 | 26,377 | 46,247 | 27,354 | 25,855                                | 25,072 | 22,959 | 41,169 | 23,968 | 25,047   | 25,392 | 24,725 | 40,030 | 23,399 |
| Warren.....               | 46          | 6    | 10,878   | 11,653 | 10,237 | 15,108 | 11,084 | 10,402                                | 10,805 | 9,516  | 13,803 | 9,953  | 9,762  | 10,112 | 9,881  | 13,883 | 9,840  |
| Washington.....           | 25          | 3    | 3,931  | 3,741  | 4,086  | 4,962  | 2,606  | 4,106                                 | 3,886  | 4,482  | 5,332  | 2,707  | 3,242  | 3,047  | 3,848  | 4,053  | 2,403  |
| Wayne.....                | 104         | 2    | 40,653   | 29,965 | 39,627 | 45,501 | 20,315 | 38,783                                | 28,047 | 38,018 | 44,068 | 24,699 | 30,625   | 23,916 | 35,643 | 36,938 | 23,476 |
| Wilson.....               | 41          | 10   | 28,488   | 23,557 | 31,065 | 40,581 | 24,309 | 27,343                                | 22,031 | 28,940 | 37,076 | 22,346 | 22,241   | 18,024 | 26,890 | 30,880 | 21,711 |
| All other.....            | 9           | 4    | 918  | 892    | 1,051  | 2,530  | 1,218  | 822                                   | 813    | 1,852  | 2,354  | 1,088  | 514  | 510    | 1,603  | 1,841  | 979    |

## OKLAHOMA.

(See map on page 100.)

| The state...    | 1,082 | 81  | 1,232,638 | 842,499 | 1,005,109 | 1,016,538 | 919,842 | 1,262,176 | 840,387 | 1,021,250 | 1,022,092 | 923,083 | 1,069,018 | 789,782 | 902,329 | 862,838 | 568,561 |
|-----------------|-------|-----|-----------|---------|-----------|-----------|---------|-----------|---------|-----------|-----------|---------|-----------|---------|---------|---------|---------|
| Adair.....      | 3     | --- | 1,357     | 822     | 775       | 1,217     | 1,144   | 1,376     | 816     | 783       | 1,236     | 1,134   | 1,189     | 819     | 750     | 1,005   | 883     |
| Atoka.....      | 14    | --- | 10,619    | 10,189  | 7,526     | 9,199     | 3,672   | 10,761    | 10,328  | 7,710     | 9,372     | 3,735   | 9,667     | 9,923   | 7,142   | 7,967   | 3,550   |
| Beckham.....    | 21    | --- | 33,380    | 13,080  | 24,873    | 19,388    | 23,728  | 33,471    | 12,559  | 24,300    | 19,748    | 23,073  | 27,874    | 11,658  | 22,345  | 14,210  | 22,656  |
| Blaine.....     | 3     | 5   | 1,102     | 931     | 1,236     | 2,742     | 1,843   | 1,079     | 939     | 1,186     | 2,740     | 1,814   | 973       | 832     | 1,077   | 2,034   | 1,090   |
| Bryan.....      | 32    | 2   | 23,701    | 39,032  | 35,530    | 43,371    | 25,005  | 24,338    | 40,603  | 37,625    | 45,094    | 26,850  | 21,647    | 37,127  | 30,113  | 38,669  | 23,492  |
| Caddo.....      | 26    | 1   | 33,349    | 22,987  | 22,186    | 34,786    | 20,367  | 33,129    | 22,169  | 21,844    | 34,536    | 19,768  | 27,487    | 21,479  | 19,864  | 26,143  | 19,358  |
| Canadian.....   | 3     | 2   | 1,488     | 1,405   | 1,763     | 1,999     | 1,026   | 1,482     | 1,350   | 1,697     | 1,917     | 1,002   | 1,299     | 1,269   | 1,660   | 1,421   | 990     |
| Carter.....     | 29    | 1   | 24,367    | 21,330  | 22,803    | 21,580    | 20,395  | 25,790    | 22,030  | 23,432    | 22,400    | 21,133  | 21,685    | 20,317  | 20,938  | 19,838  | 19,530  |
| Cherokee.....   | 10    | 1   | 7,200     | 5,566   | 4,824     | 7,616     | 6,454   | 7,158     | 5,528   | 4,783     | 7,732     | 6,382   | 7,029     | 5,240   | 4,715   | 6,656   | 5,709   |
| Choctaw.....    | 25    | --- | 15,877    | 20,447  | 16,795    | 19,308    | 9,949   | 16,407    | 21,114  | 17,383    | 19,976    | 10,122  | 15,302    | 19,595  | 15,821  | 18,128  | 9,729   |
| Cleveland.....  | 20    | 2   | 19,662    | 12,264  | 16,634    | 15,150    | 20,090  | 20,519    | 12,563  | 16,694    | 14,947    | 20,315  | 18,528    | 11,638  | 15,592  | 14,139  | 19,605  |
| Coal.....       | 8     | 1   | 7,047     | 6,915   | 7,524     | 8,415     | 6,376   | 7,142     | 6,925   | 7,417     | 8,543     | 6,483   | 6,654     | 6,778   | 6,967   | 7,390   | 6,327   |
| Comanche.....   | 20    | --- | 25,635    | 15,096  | 22,860    | 24,193    | 32,074  | 20,553    | 14,842  | 22,970    | 24,498    | 32,169  | 22,065    | 14,219  | 19,056  | 21,146  | 30,161  |
| Cotton.....     | 14    | --- | 23,598    | 11,071  | 22,904    | ---       | ---     | 25,571    | 10,562  | 23,014    | ---       | ---     | 20,493    | 10,127  | 20,420  | ---     | ---     |
| Creek.....      | 22    | 3   | 26,580    | 19,087  | 19,392    | 21,740    | 16,563  | 27,276    | 18,564  | 19,021    | 21,773    | 16,677  | 22,859    | 17,692  | 17,947  | 17,303  | 16,008  |
| Custer.....     | 6     | 1   | 3,180     | 1,675   | 2,675     | 3,958     | 4,697   | 3,151     | 1,566   | 2,634     | 3,862     | 4,567   | 2,720     | 1,471   | 2,455   | 3,142   | 4,897   |
| Garvin.....     | 29    | 1   | 40,197    | 27,900  | 28,640    | 33,769    | 30,063  | 41,720    | 27,352  | 28,318    | 33,757    | 30,035  | 34,948    | 26,602  | 26,077  | 28,330  | 29,032  |
| Grady.....      | 13    | --- | 23,717    | 14,584  | 14,013    | 18,810    | 9,229   | 24,134    | 14,435  | 14,358    | 18,720    | 9,211   | 19,986    | 13,662  | 12,607  | 15,120  | 8,497   |
| Greer.....      | 24    | --- | 41,097    | 12,182  | 31,550    | 17,806    | 27,540  | 42,075    | 12,075  | 35,304    | 17,877    | 27,507  | 30,842    | 10,789  | 25,204  | 15,715  | 25,508  |
| Harmon.....     | 13    | --- | 28,644    | 8,078   | 19,409    | 16,238    | 22,648  | 29,784    | 8,065   | 19,696    | 16,430    | 22,924  | 22,379    | 7,309   | 14,847  | 14,105  | 21,198  |
| Haskell.....    | 18    | 1   | 17,004    | 15,151  | 13,439    | 17,565    | 15,496  | 17,252    | 15,899  | 13,585    | 17,850    | 15,694  | 14,361    | 18,127  | 14,338  | 14,337  | 14,337  |
| Hughes.....     | 27    | 2   | 35,632    | 32,391  | 31,706    | 35,050    | 25,359  | 35,140    | 31,561  | 31,580    | 35,122    | 25,211  | 33,121    | 30,893  | 30,355  | 30,082  | 24,145  |
| Jackson.....    | 24    | --- | 57,376    | 10,136  | 41,326    | 26,700    | 37,350  | 60,635    | 9,848   | 43,136    | 26,700    | 38,119  | 44,125    | 8,927   | 32,731  | 22,135  | 34,722  |
| Jefferson.....  | 24    | --- | 31,826    | 13,724  | 29,019    | 12,644    | 15,000  | 33,997    | 12,794  | 30,389    | 12,813    | 15,423  | 25,886    | 13,501  | 24,971  | 11,116  | 14,304  |
| Johnston.....   | 25    | --- | 20,780    | 22,645  | 21,034    | 21,776    | 17,568  | 20,859    | 22,813  | 23,697    | 21,658    | 17,726  | 17,969    | 21,623  | 18,322  | 20,489  | 17,185  |
| Kingfisher..... | 10    | 2   | 4,926     | 2,523   | 4,769     | 6,415     | 4,512   | 4,907     | 2,425   | 4,596     | 6,152     | 4,405   | 4,236     | 2,417   | 4,350   | 5,463   | 4,107   |
| Kiowa.....      | 26    | --- | 48,127    | 17,747  | 40,148    | 20,127    | 35,311  | 49,955    | 16,398  | 40,317    | 19,845    | 35,410  | 39,333    | 16,009  | 35,021  | 16,968  | 33,676  |
| Latimer.....    | 3     | --- | 1,831     | 2,143   | 1,457     | ---       | ---     | 1,916     | 2,157   | 1,461     | ---       | ---     | 1,778     | 2,102   | 1,424   | ---     | ---     |
| Le Flore.....   | 39    | 3   | 23,586    | 22,381  | 17,486    | 27,164    | 20,794  | 24,581    | 22,493  | 17,536    | 27,323    | 20,304  | 22,801    | 21,161  | 16,645  | 23,405  | 18,953  |
| Lincoln.....    | 38    | 2   | 47,183    | 35,616  | 38,646    | 41,660    | 44,970  | 47,031    | 35,219  | 39,384    | 41,499    | 44,762  | 40,425    | 31,664  | 34,927  | 35,352  | 41,874  |
| Logan.....      | 19    | 6   | 20,828    | 14,317  | 13,477    | 19,463    | 16,191  | 21,538    | 14,561  | 13,474    | 19,261    | 16,071  | 17,402    | 13,577  | 11,714  | 16,395  | 14,473  |



## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 17.—NUMBER OF GINNERIES IN 1914 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1910 TO 1914, BY COUNTIES—Continued.

| COUNTY.                | GINNERIES |      | TOTAL QUANTITY GINNED.                             |           |           |           |           |                                       |           |           |           |           | NUMBER OF BALES GINNED TO DEC. 13<br>(COUNTING ROUND AS HALF BALES)— |           |           |           |          |
|------------------------|-----------|------|--|-----------|-----------|-----------|-----------|---------------------------------------|-----------|-----------|-----------|-----------|--|-----------|-----------|-----------|----------|
|                        | Active    | Idle | Number of bales (counting round as half<br>bales)— |           |           |           |           | Number of equivalent 500-pound bales— |           |           |           |           | 1914   | 1913      | 1912      | 1911      | 1910     |
|                        |           |      | 1914   | 1913      | 1912      | 1911      | 1910      | 1914                                  | 1913      | 1912      | 1911      | 1910      |  |           |           |           |          |
| OKLAHOMA—Continued.    |           |      |  |           |           |           |           |                                       |           |           |           |           |  |           |           |           |          |
| Love.....              | 19        | ---  | 20,535   | 14,484    | 19,962    | 18,142    | 15,574    | 21,340                                | 15,122    | 20,706    | 18,534    | 16,082    | 17,299   | 13,688    | 17,379    | 16,545    | 14,868   |
| McClain.....           | 17        | 1    | 20,336   | 12,420    | 14,189    | 16,193    | 13,065    | 20,866                                | 12,557    | 14,129    | 16,112    | 13,149    | 18,280   | 12,044    | 13,623    | 13,606    | 12,697   |
| McCurtain.....         | 22        | 1    | 12,162   | 12,183    | 10,869    | 11,531    | 5,414     | 12,626                                | 12,592    | 10,873    | 11,651    | 5,405     | 11,650   | 11,748    | 10,394    | 10,087    | 5,396    |
| McIntosh.....          | 22        | ---  | 33,726   | 21,970    | 18,860    | 20,904    | 17,299    | 34,332                                | 21,566    | 18,935    | 20,900    | 17,369    | 31,255   | 20,768    | 18,014    | 17,593    | 16,320   |
| Marshall.....          | 18        | 3    | 16,071   | 15,816    | 18,181    | 16,377    | 12,067    | 16,716                                | 16,684    | 18,423    | 16,860    | 12,384    | 14,522   | 14,610    | 16,463    | 15,304    | 11,866   |
| Mayes.....             | 8         | ---  | 4,975  | 2,264     | 2,255     | 4,002     | 3,405     | 4,812                                 | 2,183     | 2,258     | 3,964     | 3,337     | 4,011  | 2,079     | 1,036     | 3,540     | 2,752    |
| Murray.....            | 8         | ---  | 10,212   | 8,310     | 8,131     | 9,334     | 10,136    | 10,576                                | 8,513     | 8,263     | 9,435     | 10,696    | 8,852  | 7,590     | 7,212     | 8,747     | 9,818    |
| Muskogee.....          | 22        | 2    | 33,051   | 25,220    | 21,454    | 28,093    | 23,450    | 33,540                                | 25,356    | 21,647    | 28,677    | 23,694    | 29,089   | 24,050    | 19,892    | 22,956    | 21,625   |
| Noble.....             | 3         | 2    | 1,879  | 1,274     | 1,207     | 2,749     | 1,521     | 1,895                                 | 1,291     | 1,185     | 2,722     | 1,446     | 1,378  | 1,074     | 1,060     | 2,132     | 1,432    |
| Oklfuskee.....         | 27        | ---  | 32,035   | 23,502    | 29,124    | 31,272    | 24,015    | 32,042                                | 23,725    | 29,723    | 31,459    | 24,423    | 28,647   | 22,348    | 27,215    | 25,950    | 22,556   |
| Oklahoma.....          | 14        | 3    | 16,030   | 10,735    | 10,429    | 11,654    | 12,175    | 15,956                                | 10,699    | 10,385    | 11,717    | 12,102    | 14,338   | 9,537     | 9,401     | 10,215    | 11,539   |
| Okmulgee.....          | 8         | 3    | 12,583   | 9,004     | 10,587    | 12,832    | 9,477     | 13,109                                | 9,130     | 10,723    | 13,263    | 9,507     | 11,437   | 8,590     | 9,691     | 10,569    | 9,122    |
| Ossage.....            | 5         | 1    | 5,006  | 3,379     | 3,332     | 6,380     | 4,437     | 4,999                                 | 3,569     | 3,303     | 6,383     | 4,441     | 4,292  | 3,073     | 2,784     | 5,109     | 4,228    |
| Pawnee.....            | 12        | 1    | 8,325  | 5,747     | 6,520     | 9,725     | 8,419     | 8,417                                 | 5,463     | 6,451     | 9,747     | 8,426     | 6,738  | 5,079     | 5,883     | 7,551     | 8,035    |
| Payne.....             | 15        | 5    | 10,294   | 13,528    | 15,073    | 21,309    | 15,931    | 16,486                                | 13,479    | 14,992    | 21,173    | 15,345    | 14,176   | 12,223    | 13,339    | 16,176    | 14,846   |
| Pittsburg.....         | 29        | ---  | 24,128   | 25,002    | 20,992    | 27,603    | 19,690    | 24,450                                | 25,048    | 21,280    | 27,816    | 19,639    | 22,669   | 23,843    | 20,443    | 23,593    | 19,067   |
| Pontotoc.....          | 27        | 2    | 26,025   | 24,497    | 24,480    | 30,065    | 25,937    | 26,275                                | 25,333    | 24,547    | 30,381    | 26,737    | 22,568   | 23,189    | 22,508    | 26,227    | 24,953   |
| Pottawatomie.....      | 37        | 4    | 42,348   | 31,298    | 36,465    | 38,901    | 47,988    | 43,212                                | 36,647    | 36,640    | 47,890    | 39,268    | 39,268   | 28,867    | 33,944    | 32,794    | 45,887   |
| Pushmataha.....        | 11        | ---  | 5,679  | 6,193     | 5,711     | 6,002     | 2,630     | 6,551                                 | 6,400     | 5,881     | 6,046     | 2,676     | 6,354  | 6,051     | 5,537     | 5,112     | 2,555    |
| Roger Mills.....       | 7         | ---  | 4,551  | 1,922     | 3,507     | 6,592     | 2,989     | 4,460                                 | 1,808     | 3,488     | 6,614     | 2,947     | 4,433  | 1,718     | 3,221     | 5,358     | 2,003    |
| Seminole.....          | 18        | 2    | 24,415   | 19,067    | 20,997    | 23,284    | 19,437    | 24,361                                | 18,506    | 20,903    | 22,786    | 19,468    | 22,634   | 18,170    | 20,132    | 20,885    | 18,824   |
| Sequoyah.....          | 27        | ---  | 27,082   | 26,568    | 22,724    | 30,313    | 25,878    | 27,810                                | 25,705    | 22,088    | 30,711    | 25,469    | 25,770   | 24,848    | 21,602    | 25,051    | 23,278   |
| Stephens.....          | 23        | 1    | 32,225   | 21,480    | 20,563    | 22,664    | 21,836    | 33,443                                | 21,553    | 30,361    | 23,049    | 22,895    | 28,017   | 20,597    | 25,467    | 18,787    | 20,726   |
| Tillman.....           | 18        | ---  | 40,818   | 16,043    | 34,860    | 20,978    | 19,405    | 41,569                                | 15,982    | 35,655    | 21,238    | 19,129    | 32,617   | 14,638    | 30,008    | 17,579    | 18,047   |
| Tulsa.....             | 9         | ---  | 8,988  | 5,722     | 4,296     | 5,319     | 3,340     | 9,247                                 | 5,822     | 4,296     | 5,304     | 3,430     | 7,634  | 5,362     | 3,972     | 4,303     | 2,917    |
| Wagoner.....           | 11        | 2    | 16,595   | 13,204    | 11,034    | 13,614    | 14,037    | 16,310                                | 12,734    | 11,107    | 13,649    | 14,344    | 14,121   | 12,247    | 9,856     | 11,185    | 13,819   |
| Washington.....        | 22        | 2    | 32,076   | 17,346    | 22,153    | 16,239    | 21,183    | 32,884                                | 16,996    | 21,657    | 15,563    | 20,713    | 27,936   | 16,015    | 20,091    | 12,719    | 20,691   |
| All other.....         | 10        | 10   | 2,993  | 1,101     | 1,776     | 6,565     | 3,087     | 2,961                                 | 1,057     | 1,757     | 6,493     | 3,018     | 2,041  | 965       | 1,380     | 5,180     | 2,717    |
| SOUTH CAROLINA.        |           |      |  |           |           |           |           |                                       |           |           |           |           |  |           |           |           |          |
| (See map on page 101.) |           |      |  |           |           |           |           |                                       |           |           |           |           |  |           |           |           |          |
| The state.....         | 3,181     | 286  | 1,560,195  | 1,418,704 | 1,224,245 | 1,692,146 | 1,210,968 | 1,533,810                             | 1,377,814 | 1,182,128 | 1,048,712 | 1,163,501 | 1,328,482  | 1,276,428 | 1,128,850 | 1,423,383 | 1,107,56 |
| Abbeville.....         | 54        | 9    | 36,050   | 34,306    | 28,975    | 42,162    | 32,804    | 35,863                                | 35,335    | 28,343    | 40,702    | 32,069    | 30,474   | 30,833    | 27,209    | 38,202    | 31,547   |
| Aiken.....             | 160       | 8    | 51,272   | 48,066    | 36,873    | 51,361    | 36,160    | 50,652                                | 47,121    | 35,500    | 50,403    | 35,687    | 45,045   | 44,622    | 34,271    | 45,003    | 32,554   |
| Anderson.....          | 122       | 12   | 62,083   | 73,541    | 54,577    | 80,382    | 63,175    | 60,804                                | 71,549    | 53,118    | 78,717    | 61,011    | 51,961   | 66,452    | 49,781    | 73,342    | 60,375   |
| Bamberg.....           | 55        | 14   | 29,907   | 27,641    | 19,932    | 28,019    | 16,572    | 30,936                                | 28,354    | 19,629    | 29,353    | 16,890    | 25,940   | 25,776    | 18,906    | 24,097    | 15,280   |
| Barnwell.....          | 131       | 5    | 65,846   | 68,880    | 43,407    | 67,001    | 42,658    | 67,767                                | 61,408    | 46,274    | 70,267    | 45,043    | 56,791   | 53,506    | 40,326    | 56,588    | 30,750   |
| Beaufort.....          | 24        | 5    | 9,251  | 8,165     | 5,920     | 7,040     | 9,004     | 8,848                                 | 7,504     | 5,448     | 6,730     | 8,993     | 7,703  | 6,949     | 4,940     | 6,369     | 7,527    |
| Berkeley.....          | 58        | 5    | 16,695   | 13,500    | 10,809    | 17,118    | 12,466    | 14,985                                | 11,907    | 9,296     | 15,479    | 11,178    | 15,088   | 12,815    | 10,352    | 14,330    | 11,561   |
| Calhoun.....           | 81        | 15   | 33,913   | 27,800    | 22,231    | 31,730    | 21,441    | 31,268                                | 25,170    | 19,852    | 28,437    | 20,125    | 28,526   | 24,840    | 19,066    | 23,336    | 18,553   |
| Charleston.....        | 82        | 19   | 17,918   | 15,880    | 11,686    | 11,586    | 14,169    | 16,100                                | 13,465    | 9,060     | 9,667     | 10,770    | 14,136   | 13,637    | 9,270     | 10,106    | 11,194   |
| Cherokee.....          | 34        | 3    | 17,655   | 18,072    | 14,107    | 16,542    | 14,703    | 17,599                                | 17,382    | 13,661    | 16,224    | 14,210    | 15,064   | 16,636    | 13,323    | 15,350    | 13,003   |
| Chester.....           | 84        | 2    | 35,829   | 32,275    | 31,212    | 36,012    | 28,384    | 34,340                                | 30,674    | 30,026    | 34,327    | 26,908    | 31,791   | 29,864    | 29,986    | 32,912    | 27,153   |
| Chesterfield.....      | 87        | ---  | 38,459   | 33,076    | 31,894    | 36,418    | 29,878    | 36,328                                | 31,746    | 31,342    | 34,561    | 28,424    | 30,749   | 27,025    | 29,354    | 28,723    | 25,833   |
| Clarendon.....         | 55        | 4    | 50,230   | 40,268    | 35,469    | 54,222    | 36,060    | 50,772                                | 30,575    | 34,887    | 63,973    | 36,954    | 45,367   | 38,371    | 32,854    | 41,426    | 32,350   |
| Colleton.....          | 38        | 6    | 24,856   | 19,732    | 15,233    | 21,916    | 15,571    | 24,105                                | 19,148    | 14,526    | 20,662    | 14,390    | 21,168   | 18,108    | 13,805    | 18,154    | 14,237   |
| Darlington.....        | 71        | 7    | 48,457   | 38,456    | 40,420    | 57,700    | 40,369    | 49,833                                | 38,456    | 40,493    | 50,131    | 40,587    | 40,134   | 34,325    | 38,536    | 47,100    | 35,375   |
| Dillon.....            | 86        | 7    | 40,340   | 38,213    | 39,048    | 50,576    | 40,376    | 39,816                                | 36,868    | 37,978    | 50,303    | 39,318    | 35,242   | 32,891    | 36,709    | 39,347    | 35,918   |
| Dorchester.....        | 35        | 8    | 18,895   | 16,661    | 13,528    | 19,205    | 14,188    | 17,871                                | 15,831    | 12,563    | 18,770    | 13,947    | 16,851   | 15,922    | 12,371    | 14,012    | 11,445   |
| Edgefield.....         | 86        | 2    | 35,554   | 33,235    | 27,436    | 40,356    | 26,430    | 34,331                                | 31,899    | 25,916    | 39,541    | 25,034    | 30,143   | 30,819    | 26,571    | 34,801    | 24,715   |
| Fairfield.....         | 83        | 1    | 26,012   | 26,349    | 26,462    | 33,486    | 25,682    | 26,570                                | 26,570    | 25,954    | 33,526    | 25,143    | 22,116   | 23,690    | 24,009    | 20,219    | 24,609   |
| Florence.....          | 77        | 13   | 48,947   | 44,282    | 38,965    | 58,902    | 33,916    | 48,849                                | 44,176    | 37,555    | 60,269    | 34,140    | 42,662   | 41,084    | 36,318    | 46,261    | 31,407   |
| Georgetown.....        | 11        | ---  | 5,432  | 3,866     | 3,157     | 5,935     | 3,464     | 5,469                                 | 3,857     | 3,115     | 6,038     | 3,413     | 4,684  | 3,462     | 2,997     | 4,611     | 3,272    |
| Greenville.....        | 88        | 8    | 49,932   | 44,722    | 34,585    | 54,442    | 37,869    | 49,483                                | 42,896    | 32,967    | 51,759    | 35,281    | 41,140   | 38,717    | 29,811    | 47,498    | 33,767   |
| Greenwood.....         | 44        | 2    | 35,298   | 33,819    | 30,125    | 45,546    | 29,744    | 35,799                                | 34,016    | 29,062    | 45,391    | 28,959    | 28,887   | 28,855    | 28,133    | 40,262    | 28,055   |
| Hampton.....           | 51        | 1    | 22,710   | 19,916    | 14,774    | 25,797    | 16,642    | 23,314                                | 20,832    | 15,350    | 26,715    | 16,625    | 20,261   | 18,097    | 13,408    | 21,622    | 15,113   |
| Horry.....             | 36        | 2    | 13,300   | 10,390    | 10,259    | 16,164    | 8,486     | 12,574                                | 9,721     | 9,434     | 15,013    | 7,816     | 10,232   | 9,042     | 8,878     | 11,632    | 7,652    |
| Jasper.....            | 16        | 5    | 6,681  | 6,196     | 5,142     | ---       | ---       | 6,442                                 | 6,196     | 5,239     | ---       | ---       | 6,098  | 5,999     | 4,588     | ---       | ---      |
| Kershaw.....           | 94        | 2    | 32,170   | 27,677    | 25,916    | 36,193    | 23,063    | 30,652                                | 26,343    | 24,791    | 34,615    | 21,527    | 23,290   | 24,858    |           |           |          |

TABLE 17.—NUMBER OF GINNERIES IN 1914 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1910 TO 1914, BY COUNTIES—Continued.

| COUNTY.                              | GINNERIES   |      | TOTAL QUANTITY GINNED.                             |           |           |           |           |                                       |           |           |           |           | NUMBER OF BALES GINNED TO DEC. 13<br>(COUNTING ROUND AS HALF BALES)— |           |           |           |           |
|--------------------------------------|-------------|------|--|-----------|-----------|-----------|-----------|---------------------------------------|-----------|-----------|-----------|-----------|--|-----------|-----------|-----------|-----------|
|                                      | Ac-<br>tive | Idle | Number of bales (counting round as half<br>bales)— |           |           |           |           | Number of equivalent 500-pound bales— |           |           |           |           | 1914   | 1913      | 1912      | 1911      | 1910      |
|                                      |             |      | 1914   | 1913      | 1912      | 1911      | 1910      | 1914                                  | 1913      | 1912      | 1911      | 1910      |  |           |           |           |           |
|                                      |             |      |  |           |           |           |           |                                       |           |           |           |           |  |           |           |           |           |
| TENNESSEE.<br>(See map on page 101.) |             |      |  |           |           |           |           |                                       |           |           |           |           |  |           |           |           |           |
| The state...                         | 575         | 52   | 372,068  | 366,786   | 267,439   | 430,027   | 321,103   | 383,517                               | 379,471   | 276,540   | 449,737   | 331,947   | 319,284  | 340,685   | 230,239   | 360,510   | 269,670   |
| Benton.....                          | 7           | ---  | 2,410  | 2,528     | 2,222     | 3,629     | 1,885     | 2,379                                 | 2,587     | 2,354     | 4,133     | 1,997     | 1,871  | 2,323     | 1,827     | 2,851     | 1,608     |
| Bradley.....                         | 3           | 1    | 1,719  | 1,114     | 854       | 1,156     | 650       | 1,640                                 | 1,024     | 783       | 1,048     | 572       | 1,303  | 1,094     | 770       | 977       | 552       |
| Carroll.....                         | 27          | ---  | 10,930   | 12,185    | 9,877     | 17,933    | 11,466    | 11,247                                | 12,088    | 9,480     | 18,155    | 11,338    | 9,559  | 11,021    | 9,069     | 15,796    | 9,739     |
| Chester.....                         | 14          | 1    | 6,328  | 4,650     | 3,818     | 5,548     | 4,073     | 6,694                                 | 4,714     | 3,817     | 5,804     | 4,227     | 5,823  | 4,541     | 3,849     | 4,606     | 3,704     |
| Crockett.....                        | 14          | 2    | 13,865   | 15,431    | 10,510    | 14,172    | 11,116    | 14,245                                | 16,150    | 10,827    | 14,532    | 11,347    | 12,541   | 14,721    | 9,753     | 12,863    | 9,094     |
| Decatur.....                         | 11          | 3    | 2,537  | 2,872     | 2,154     | 4,595     | 2,129     | 2,570                                 | 2,789     | 2,154     | 4,617     | 2,171     | 2,129  | 2,560     | 1,885     | 3,110     | 1,988     |
| Dyer.....                            | 22          | 2    | 25,152   | 25,650    | 17,029    | 31,727    | 24,329    | 26,103                                | 26,430    | 17,516    | 33,916    | 24,864    | 20,519   | 24,378    | 15,374    | 27,133    | 10,728    |
| Fayette.....                         | 43          | 3    | 25,845   | 27,584    | 18,160    | 25,802    | 26,284    | 27,023                                | 29,063    | 19,256    | 27,293    | 27,693    | 22,690   | 25,115    | 15,455    | 21,908    | 22,715    |
| Gibson.....                          | 25          | 4    | 27,475   | 28,190    | 20,708    | 36,323    | 22,353    | 28,024                                | 27,981    | 20,845    | 37,318    | 22,350    | 23,034   | 25,532    | 18,284    | 31,081    | 17,565    |
| Giles.....                           | 24          | 8    | 10,617   | 6,290     | 5,639     | 11,955    | 7,316     | 10,606                                | 6,207     | 5,586     | 12,065    | 7,291     | 9,657  | 6,051     | 4,350     | 8,854     | 6,106     |
| Hardeman.....                        | 32          | 1    | 16,567   | 15,110    | 11,496    | 17,878    | 14,004    | 17,034                                | 15,340    | 11,783    | 18,815    | 14,892    | 14,713   | 14,605    | 9,444     | 14,648    | 12,758    |
| Hardin.....                          | 21          | 2    | 8,188  | 5,875     | 4,888     | 9,297     | 6,023     | 8,362                                 | 5,973     | 4,887     | 9,075     | 6,257     | 7,087  | 5,628     | 4,179     | 7,105     | 5,308     |
| Haywood.....                         | 33          | 3    | 19,037   | 23,045    | 15,443    | 24,277    | 18,702    | 19,600                                | 24,054    | 15,841    | 25,331    | 19,248    | 16,795   | 21,650    | 12,287    | 20,760    | 15,014    |
| Henderson.....                       | 34          | 2    | 11,559   | 8,830     | 7,010     | 12,143    | 8,741     | 11,786                                | 8,994     | 7,035     | 12,651    | 7,636     | 10,341   | 8,454     | 6,140     | 8,544     | 7,144     |
| Henry.....                           | 5           | 1    | 2,127  | 2,344     | 2,076     | 3,853     | 2,528     | 2,187                                 | 2,317     | 2,278     | 4,051     | 2,662     | 1,543  | 2,120     | 1,945     | 3,310     | 2,173     |
| Lake.....                            | 14          | 1    | 21,518   | 15,837    | 12,255    | 22,523    | 18,039    | 21,686                                | 16,363    | 12,826    | 22,006    | 18,666    | 18,590   | 14,643    | 10,996    | 17,921    | 14,547    |
| Lauderdale.....                      | 32          | ---  | 26,361   | 26,340    | 20,949    | 29,039    | 20,412    | 27,516                                | 27,587    | 22,043    | 30,247    | 21,506    | 21,989   | 24,664    | 18,128    | 25,546    | 16,741    |
| Lawrence <sup>1</sup> .....          | 4           | ---  | 3,111  | 1,042     | 1,104     | ---       | ---       | 2,952                                 | 1,611     | 1,225     | ---       | ---       | 2,925  | 1,610     | 990       | ---       | ---       |
| Lincoln.....                         | 11          | 1    | 6,760  | 4,012     | 4,117     | 6,641     | 4,114     | 7,153                                 | 5,065     | 4,187     | 6,928     | 4,242     | 6,447  | 4,850     | 3,558     | 5,715     | 3,746     |
| McMinn.....                          | 10          | ---  | 2,400  | 2,040     | 1,508     | 2,763     | 1,369     | 2,276                                 | 1,950     | 1,432     | 2,601     | 1,289     | 1,651  | 1,979     | 1,385     | 2,052     | 1,184     |
| McNairy.....                         | 34          | 3    | 13,097   | 9,726     | 7,966     | 11,541    | 7,828     | 13,558                                | 9,926     | 8,277     | 12,017    | 8,171     | 12,000   | 9,265     | 6,942     | 9,707     | 7,265     |
| Madison.....                         | 37          | 1    | 14,776   | 17,658    | 10,508    | 21,356    | 15,095    | 15,107                                | 18,301    | 11,265    | 23,060    | 10,900    | 13,497   | 16,585    | 8,922     | 18,832    | 13,646    |
| Obion.....                           | 6           | 1    | 6,169  | 6,703     | 3,801     | 8,479     | 4,353     | 6,245                                 | 6,537     | 3,893     | 8,655     | 4,429     | 5,013  | 5,738     | 3,668     | 7,136     | 3,670     |
| Polk.....                            | 6           | 1    | 1,874  | 1,308     | 1,224     | 1,482     | 990       | 1,817                                 | 1,197     | 1,123     | 1,406     | 855       | 1,005  | 1,282     | 1,156     | 1,361     | 805       |
| Rutherford.....                      | 7           | 3    | 11,901   | 7,992     | 6,589     | 10,762    | 7,200     | 12,066                                | 8,222     | 6,799     | 10,865    | 7,235     | 9,403  | 7,304     | 5,913     | 8,535     | 5,956     |
| Shelby.....                          | 50          | 3    | 43,439   | 53,816    | 38,284    | 53,261    | 45,201    | 46,011                                | 57,820    | 40,765    | 56,830    | 48,166    | 38,429   | 47,035    | 30,789    | 44,540    | 38,224    |
| Tipton.....                          | 34          | 2    | 27,568   | 29,086    | 22,023    | 31,710    | 28,586    | 28,831                                | 31,250    | 23,168    | 34,640    | 31,102    | 22,135   | 27,661    | 19,149    | 27,345    | 23,920    |
| Wayne.....                           | 3           | ---  | 910  | 821       | 691       | 1,559     | 806       | 901                                   | 833       | 695       | 1,022     | 837       | 702  | 806       | 594       | 1,006     | 684       |
| Weakley.....                         | 7           | 1    | 4,356  | 5,201     | 2,906     | 4,755     | 3,117     | 4,386                                 | 5,182     | 2,905     | 4,657     | 3,093     | 3,448  | 4,670     | 2,794     | 4,472     | 2,782     |
| All other.....                       | 5           | 2    | 3,472  | 2,006     | 1,564     | 3,868     | 885       | 3,482                                 | 1,906     | 1,501     | 3,899     | 881       | 1,755  | 1,400     | 1,144     | 2,740     | 704       |
| TEXAS.<br>(See map on page 102.)     |             |      |  |           |           |           |           |                                       |           |           |           |           |  |           |           |           |           |
| The state...                         | 4,361       | 333  | 4,390,200  | 3,773,024 | 4,645,309 | 4,107,152 | 2,949,968 | 4,592,112                             | 3,944,970 | 4,880,210 | 4,256,427 | 3,049,409 | 3,874,388  | 3,627,190 | 4,368,915 | 3,862,143 | 2,849,259 |
| Anderson.....                        | 44          | 7    | 18,779   | 24,207    | 24,858    | 29,028    | 17,552    | 18,794                                | 25,016    | 25,494    | 28,964    | 17,935    | 16,834   | 23,436    | 24,130    | 26,643    | 17,309    |
| Angelina.....                        | 22          | 2    | 6,178  | 7,358     | 6,422     | 5,775     | 3,518     | 6,131                                 | 7,552     | 6,334     | 5,694     | 3,628     | 5,237  | 6,946     | 6,222     | 5,122     | 3,376     |
| Archer.....                          | 8           | 1    | 10,087   | 4,249     | 10,147    | 2,456     | 4,128     | 10,932                                | 4,325     | 10,395    | 2,450     | 4,175     | 8,094  | 4,015     | 8,011     | 2,032     | 3,957     |
| Atascosa.....                        | 21          | 1    | 14,087   | 10,717    | 14,021    | 9,087     | 5,498     | 14,366                                | 11,392    | 14,798    | 6,436     | 6,179     | 13,531   | 10,670    | 13,568    | 8,138     | 5,429     |
| Austin.....                          | 40          | 7    | 23,313   | 27,463    | 27,644    | 29,974    | 24,734    | 25,449                                | 29,984    | 30,165    | 32,184    | 26,967    | 21,418   | 26,858    | 26,711    | 28,846    | 24,330    |
| Bandera.....                         | 4           | ---  | 1,069  | 1,963     | 1,868     | 1,296     | 681       | 1,747                                 | 2,091     | 2,003     | 1,418     | 721       | 1,640  | 1,935     | 1,865     | 1,248     | 678       |
| Bastrop.....                         | 31          | 4    | 32,152   | 35,729    | 34,335    | 33,233    | 22,323    | 33,913                                | 37,890    | 37,477    | 35,049    | 23,795    | 29,471   | 34,622    | 33,174    | 31,271    | 21,431    |
| Baylor.....                          | 8           | ---  | 25,642   | 8,055     | 15,893    | 6,170     | 9,522     | 27,724                                | 8,223     | 16,336    | 6,187     | 9,720     | 18,428   | 7,357     | 13,716    | 5,193     | 8,018     |
| Bee.....                             | 14          | ---  | 13,975   | 7,613     | 19,150    | 11,862    | 10,394    | 14,168                                | 7,994     | 20,077    | 12,253    | 11,022    | 13,730   | 7,582     | 18,031    | 11,834    | 10,812    |
| Bell.....                            | 60          | 2    | 67,860   | 68,525    | 82,494    | 76,530    | 55,339    | 72,081                                | 74,144    | 87,213    | 81,321    | 68,006    | 64,835   | 66,443    | 79,445    | 74,070    | 59,583    |
| Bexar.....                           | 25          | 2    | 30,454   | 25,790    | 27,215    | 19,501    | 11,115    | 32,099                                | 27,312    | 28,875    | 21,318    | 11,544    | 27,969   | 25,695    | 26,491    | 18,154    | 10,598    |
| Blanco.....                          | 9           | 1    | 6,905  | 5,104     | 4,524     | 3,634     | 2,879     | 7,377                                 | 5,423     | 4,756     | 3,760     | 2,892     | 6,247  | 4,998     | 4,505     | 3,585     | 2,869     |
| Bosque.....                          | 22          | 2    | 25,114   | 20,378    | 27,211    | 24,273    | 16,965    | 26,254                                | 21,939    | 28,479    | 24,836    | 17,196    | 21,402   | 19,419    | 25,958    | 23,041    | 16,668    |
| Bowie.....                           | 27          | 2    | 27,705   | 27,718    | 25,760    | 24,093    | 17,104    | 28,824                                | 29,026    | 27,805    | 25,221    | 17,884    | 27,076   | 26,622    | 24,604    | 22,833    | 16,817    |
| Brazoria.....                        | 17          | 1    | 4,818  | 8,337     | 7,886     | 5,764     | 3,895     | 5,048                                 | 8,947     | 8,454     | 6,016     | 3,826     | 4,298  | 7,301     | 7,750     | 5,130     | 2,267     |
| Brazos.....                          | 29          | 2    | 21,182   | 26,831    | 34,275    | 30,474    | 24,732    | 22,147                                | 28,204    | 37,216    | 38,176    | 25,869    | 20,085   | 26,730    | 34,063    | 35,435    | 24,882    |
| Brooks <sup>2</sup> .....            | 3           | ---  | 2,375  | 1,824     | 3,814     | ---       | ---       | 2,255                                 | 1,822     | 3,753     | ---       | ---       | 2,260  | 1,817     | 3,813     | ---       | ---       |
| Brown.....                           | 23          | 6    | 23,583   | 14,719    | 18,219    | 20,558    | 12,845    | 24,790                                | 15,526    | 18,525    | 20,817    | 12,747    | 20,765   | 14,604    | 18,203    | 18,708    | 12,682    |
| Burleson.....                        | 34          | 2    | 24,458   | 30,046    | 34,922    | 35,894    | 24,329    | 25,801                                | 31,969    | 37,925    | 37,107    | 26,228    | 23,399   | 29,355    | 34,542    | 34,853    | 24,082    |
| Burnet.....                          | 18          | ---  | 15,818   | 12,388    | 10,747    | 11,187    | 7,750     | 16,796                                | 13,277    | 11,401    | 11,894    | 8,000     | 13,590   | 12,010    | 10,664    | 10,957    | 7,580     |
| Caldwell.....                        | 33          | ---  | 52,600   | 58,405    | 55,913    | 51,753    | 28,902    | 55,774                                | 62,077    | 59,961    | 54,850    | 31,078    | 50,300   | 57,187    | 53,474    | 49,091    | 28,153    |
| Callahan.....                        | 9           | 1    | 5,479  | 5,238     | 5,264     | 3,287     | 3,114     | 5,776                                 | 5,362     | 5,388     | 3,462     | 3,222     | 5,274  | 5,161     | 4,555     | 2,754     | 2,831     |
| Callahan.....                        | 17          | ---  | 10,654   | 10,384    | 15,593    | 10,843    | 8,862     | 20,806                                | 10,226    | 16,332    | 11,283    | 9,213     | 14,681   | 10,109    | 15,369    | 10,480    | 8,664     |
| Cameron <sup>3</sup> .....           | 9           | 3    | 4,495  | 6,301     | 8,034     | 12,955    | 3,544     | 4,627                                 | 6,901     | 8,285     | 13,281    | 3,713     | 4,888  | 6,509     | 7,948     |           |           |

## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 17.—NUMBER OF GINNERIES IN 1914 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1910 TO 1914, BY COUNTIES—Continued.

| COUNTY.          | GINNERIES |      | TOTAL QUANTITY GINNED.                          |         |         |         |         |                                       |         |         |         |         | NUMBER OF BALES GINNED TO DEC. 13<br>(COUNTING ROUND AS HALF BALES)— |         |         |         |        |
|------------------|-----------|------|---|---------|---------|---------|---------|---------------------------------------|---------|---------|---------|---------|--|---------|---------|---------|--------|
|                  | Active    | Idle | Number of bales (counting round as half bales)— |         |         |         |         | Number of equivalent 500-pound bales— |         |         |         |         | 1914   | 1913    | 1912    | 1911    | 1910   |
|                  |           |      | 1914  | 1913    | 1912    | 1911    | 1910    | 1914                                  | 1913    | 1912    | 1911    | 1910    |  |         |         |         |        |
|                  |           |      |   |         |         |         |         |                                       |         |         |         |         |  |         |         |         |        |
| TEXAS—Continued. |           |      |   |         |         |         |         |                                       |         |         |         |         |  |         |         |         |        |
| Dallas           | 48        | 4    | 64,785  | 56,607  | 87,225  | 44,846  | 49,644  | 66,016                                | 57,411  | 92,301  | 40,353  | 51,362  | 60,040   | 55,066  | 80,209  | 43,488  | 48,546 |
| Dawson           | 3         | 1    | 6,402   | 2,173   |         |         |         | 6,402                                 | 2,139   |         |         |         | 3,268  | 1,450   |         |         |        |
| De Witt          | 27        | 1    | 48,668  | 53,008  | 53,765  | 41,015  | 33,162  | 50,440                                | 54,354  | 55,109  | 42,615  | 32,737  | 48,071   | 52,528  | 51,676  | 39,934  | 32,730 |
| Delta            | 20        | 3    | 24,628  | 31,714  | 40,867  | 41,858  | 28,847  | 25,909                                | 33,523  | 41,541  | 43,249  | 30,337  | 24,152   | 29,163  | 38,180  | 40,348  | 28,040 |
| Denton           | 23        | 3    | 43,292  | 30,805  | 56,753  | 35,294  | 34,053  | 44,412                                | 37,313  | 59,193  | 36,769  | 35,156  | 30,988   | 34,482  | 47,863  | 32,748  | 33,104 |
| Dickens          | 5         |      | 14,928  | 3,489   | 6,276   | 6,302   | 3,257   | 16,131                                | 3,511   | 6,648   | 0,472   | 3,322   | 8,847  | 3,196   | 5,875   | 5,389   | 2,968  |
| Donley           | 4         | 1    | 7,969   | 3,810   | 5,599   | 6,205   | 2,135   | 8,264                                 | 3,546   | 5,540   | 6,337   | 2,176   | 0,545  | 3,457   | 3,726   | 3,787   | 1,973  |
| Duval            | 9         | 1    | 6,220   | 3,365   | 8,979   | 5,561   | 4,537   | 6,213                                 | 3,518   | 9,304   | 5,709   | 4,748   | 0,037  | 3,342   | 8,933   | 5,290   | 4,363  |
| Eastland         | 27        | 2    | 24,065  | 27,531  | 36,556  | 29,981  | 26,397  | 24,570                                | 29,177  | 37,866  | 30,838  | 26,935  | 19,074   | 26,483  | 35,517  | 28,080  | 24,243 |
| Ellis            | 78        | 2    | 135,913   | 120,419 | 178,353 | 136,427 | 104,505 | 143,714                               | 124,537 | 187,449 | 138,774 | 106,384 | 125,428  | 117,951 | 159,307 | 131,243 | 99,380 |
| Erath            | 34        | 4    | 26,668  | 20,351  | 39,286  | 33,876  | 27,367  | 28,316                                | 21,669  | 41,140  | 34,950  | 27,925  | 22,397   | 19,740  | 37,929  | 31,347  | 26,219 |
| Falls            | 46        | 1    | 67,590  | 62,315  | 72,555  | 65,477  | 45,929  | 70,707                                | 67,196  | 79,317  | 68,541  | 40,686  | 63,895   | 60,463  | 69,120  | 61,594  | 44,209 |
| Fannin           | 59        | 5    | 63,776  | 65,036  | 90,038  | 85,884  | 69,379  | 66,098                                | 60,524  | 102,588 | 92,055  | 70,531  | 60,200   | 56,501  | 87,513  | 79,285  | 63,913 |
| Fayette          | 53        | 2    | 38,286  | 43,810  | 47,441  | 41,515  | 32,242  | 40,667                                | 47,367  | 52,109  | 44,903  | 35,286  | 36,206   | 42,915  | 45,916  | 40,007  | 31,368 |
| Fisher           | 12        |      | 41,203  | 13,848  | 10,004  | 13,807  | 8,402   | 43,585                                | 13,560  | 10,492  | 14,287  | 8,000   | 28,680   | 13,144  | 9,782   | 12,850  | 8,006  |
| Floyd            | 3         |      | 5,771   | 2,936   | 2,683   |         |         | 5,943                                 | 2,985   | 2,629   |         |         | 4,660  | 1,684   | 1,710   |         |        |
| Foard            | 8         |      | 14,096  | 2,956   | 9,879   | 7,225   | 6,251   | 15,055                                | 2,877   | 10,154  | 7,293   | 6,434   | 9,769  | 2,791   | 8,162   | 6,400   | 5,657  |
| Fort Bend        | 31        | 2    | 19,275  | 33,775  | 32,845  | 23,798  | 23,017  | 10,923                                | 35,038  | 34,240  | 25,302  | 23,993  | 17,834   | 32,956  | 32,017  | 23,055  | 22,048 |
| Franklin         | 15        |      | 8,117   | 11,031  | 12,950  | 10,081  | 7,200   | 8,174                                 | 11,461  | 13,419  | 10,121  | 7,282   | 7,903  | 10,702  | 12,402  | 10,003  | 7,114  |
| Freestone        | 25        | 1    | 20,776  | 24,702  | 24,880  | 29,045  | 16,816  | 21,773                                | 26,292  | 20,203  | 31,370  | 17,240  | 19,715   | 24,348  | 23,794  | 28,264  | 10,711 |
| Frio             | 12        | 1    | 12,939  | 15,417  | 16,542  | 10,554  | 9,746   | 13,508                                | 16,592  | 17,525  | 10,755  | 10,079  | 12,683   | 15,371  | 16,267  | 9,242   | 8,468  |
| Gillespie        | 19        |      | 17,855  | 13,463  | 9,524   | 9,444   | 7,452   | 18,761                                | 14,034  | 10,655  | 10,043  | 7,916   | 10,727   | 13,140  | 9,400   | 9,325   | 7,006  |
| Goliad           | 14        |      | 18,038  | 14,401  | 18,185  | 13,139  | 9,067   | 18,099                                | 14,018  | 17,905  | 13,205  | 8,918   | 17,932   | 14,282  | 17,924  | 12,731  | 9,008  |
| Gonzales         | 32        | 1    | 37,650  | 49,908  | 44,865  | 30,604  | 28,317  | 40,082                                | 55,325  | 49,235  | 39,020  | 30,530  | 30,613   | 48,613  | 44,193  | 35,755  | 28,197 |
| Grayson          | 51        | 4    | 50,553  | 54,118  | 77,049  | 40,495  | 54,092  | 52,282                                | 55,828  | 79,038  | 50,564  | 50,018  | 40,309   | 50,066  | 68,344  | 40,592  | 51,533 |
| Gregg            | 22        | 1    | 10,208  | 9,176   | 12,011  | 12,167  | 8,000   | 9,777                                 | 8,993   | 12,174  | 12,109  | 7,962   | 9,768  | 8,988   | 11,878  | 11,575  | 7,793  |
| Grimes           | 35        | 5    | 21,595  | 27,063  | 27,661  | 28,843  | 20,806  | 22,657                                | 28,011  | 29,520  | 30,129  | 21,738  | 19,131   | 26,680  | 27,495  | 28,077  | 20,679 |
| Guadalupe        | 35        |      | 43,178  | 54,022  | 47,107  | 37,307  | 23,514  | 45,813                                | 58,953  | 51,516  | 39,732  | 25,122  | 41,571   | 52,866  | 43,956  | 35,210  | 22,883 |
| Hale             | 3         |      | 1,560   | 335     | 732     |         |         | 1,629                                 | 337     | 737     |         |         | 1,224  | 281     | 513     |         |        |
| Hall             | 16        | 1    | 39,103  | 14,584  | 24,116  | 28,437  | 19,740  | 41,573                                | 14,470  | 24,642  | 20,040  | 20,119  | 33,590   | 12,832  | 18,504  | 21,284  | 16,611 |
| Hamilton         | 20        |      | 23,340  | 14,418  | 23,476  | 23,178  | 15,608  | 24,624                                | 15,551  | 25,101  | 24,620  | 16,307  | 20,565   | 13,967  | 22,821  | 22,266  | 15,280 |
| Hardeman         | 10        |      | 27,510  | 4,723   | 17,567  | 11,452  | 12,932  | 30,025                                | 4,705   | 17,145  | 11,644  | 13,413  | 20,111   | 4,381   | 12,347  | 9,500   | 12,339 |
| Harris           | 14        | 1    | 5,201   | 6,511   | 4,235   | 4,649   | 3,217   | 5,228                                 | 6,700   | 4,307   | 4,719   | 3,349   | 4,381  | 6,222   | 4,111   | 4,299   | 3,098  |
| Harrison         | 44        | 3    | 19,948  | 22,534  | 24,683  | 20,919  | 17,837  | 20,169                                | 28,305  | 24,905  | 27,560  | 18,094  | 19,378   | 21,002  | 24,442  | 24,721  | 17,589 |
| Haskell          | 22        | 1    | 51,539  | 15,002  | 25,226  | 14,760  | 13,037  | 51,322                                | 17,240  | 26,457  | 15,182  | 14,403  | 33,751   | 14,180  | 20,858  | 12,717  | 12,774 |
| Hays             | 20        | 1    | 23,377  | 28,092  | 31,289  | 24,433  | 17,728  | 24,261                                | 31,068  | 33,730  | 26,138  | 18,877  | 21,952   | 28,520  | 29,933  | 23,424  | 17,248 |
| Henderson        | 35        | 1    | 19,719  | 27,477  | 23,223  | 20,894  | 13,790  | 19,900                                | 28,114  | 23,808  | 27,513  | 14,033  | 18,862   | 26,713  | 22,530  | 25,924  | 13,777 |
| Hidalgo          | 3         | 0    | 1,218   | 1,924   | 5,854   | 10,630  | 2,103   | 1,151                                 | 1,025   | 6,037   | 11,289  | 2,142   | 1,108  | 1,894   | 5,619   | 10,131  | 2,083  |
| Hill             | 67        | 3    | 88,833  | 70,670  | 120,097 | 117,221 | 71,400  | 94,127                                | 77,374  | 134,798 | 120,559 | 74,137  | 81,091   | 67,734  | 119,320 | 113,877 | 70,729 |
| Hood             | 15        | 1    | 12,256  | 7,778   | 17,291  | 10,608  | 9,505   | 12,751                                | 7,999   | 17,875  | 10,608  | 9,520   | 9,397  | 7,647   | 15,230  | 10,094  | 8,527  |
| Hopkins          | 43        |      | 33,427  | 51,153  | 42,771  | 45,557  | 29,404  | 34,018                                | 53,700  | 44,157  | 46,249  | 29,657  | 32,551   | 48,587  | 40,071  | 44,210  | 29,386 |
| Houston          | 42        | 5    | 25,093  | 29,817  | 30,527  | 35,959  | 22,087  | 26,082                                | 30,324  | 32,505  | 38,109  | 23,290  | 22,519   | 28,698  | 29,861  | 32,715  | 21,465 |
| Howard           | 4         | 1    | 12,857  | 4,067   | 3,733   | 7,132   | 1,576   | 13,400                                | 5,404   | 3,585   | 7,295   | 1,546   | 8,010  | 4,386   | 3,043   | 6,509   | 1,490  |
| Hunt             | 66        | 2    | 69,646  | 68,494  | 82,743  | 84,616  | 63,419  | 72,571                                | 70,576  | 85,159  | 86,183  | 64,478  | 67,438   | 64,576  | 75,307  | 81,792  | 62,080 |
| Jack             | 18        | 1    | 13,302  | 5,997   | 15,963  | 6,850   | 8,985   | 13,773                                | 6,345   | 16,254  | 6,990   | 9,319   | 10,404   | 5,807   | 14,692  | 6,109   | 8,537  |
| Jackson          | 13        | 1    | 5,308   | 7,690   | 6,507   | 3,905   | 2,598   | 5,552                                 | 8,124   | 7,077   | 4,017   | 2,809   | 5,073  | 7,527   | 6,455   | 3,803   | 2,501  |
| Jasper           | 12        |      | 1,597   | 1,211   | 883     | 417     | 290     | 1,547                                 | 1,190   | 828     | 387     | 274     | 1,110  | 877     | 597     | 232     | 210    |
| Jim Wells        | 7         | 3    | 4,785   | 2,409   | 7,043   | 4,341   |         | 5,026                                 | 2,518   | 7,126   | 4,514   |         | 4,700  | 2,389   | 7,017   | 4,324   |        |
| Johnson          | 35        |      | 51,114  | 40,480  | 68,302  | 50,002  | 38,375  | 53,240                                | 49,557  | 73,561  | 58,945  | 40,202  | 45,476   | 44,604  | 62,816  | 53,077  | 35,330 |
| Jones            | 28        | 1    | 65,163  | 20,882  | 36,302  | 25,165  | 13,807  | 69,586                                | 29,197  | 36,338  | 28,292  | 14,307  | 42,137   | 19,740  | 32,886  | 22,743  | 12,654 |
| Karnes           | 21        | 1    | 39,002  | 29,434  | 34,031  | 26,112  | 22,559  | 39,821                                | 29,786  | 34,483  | 26,105  | 22,285  | 38,498   | 29,298  | 32,072  | 25,317  | 22,438 |
| Kaufman          | 60        | 1    | 81,038  | 71,453  | 98,263  | 67,062  | 53,065  | 86,281                                | 76,216  | 104,511 | 68,273  | 55,563  | 77,148   | 67,563  | 92,213  | 64,765  | 52,519 |
| Kendall          | 6         | 1    | 3,280   | 2,584   | 2,365   | 1,428   | 3,431   | 3,431                                 | 2,709   | 2,496   | 1,659   | 3,077   | 2,550  | 2,365   | 2,365   | 1,546   | 1,423  |
| Kent             | 5         |      | 9,680   | 3,767   | 3,000   | 2,924   | 2,863   | 10,460                                | 3,790   | 3,141   | 2,837   | 2,920   | 5,767  | 3,549   | 2,819   | 2,690   | 2,798  |
| Kerr             | 3         |      | 1,552   | 971     | 527     | 327     | 213     | 1,630                                 | 1,024   | 552     | 344     | 222     | 1,535  | 957     | 527     | 324     | 213    |
| Kimble           | 3         |      | 1,809   | 1,429   | 458     |         |         | 1,875                                 | 1,464   | 462     |         |         | 1,466  | 1,328   | 430     |         |        |
| Kleberg          | 3         |      | 1,132   | 1,760   |         |         |         | 1,139                                 | 1,799   |         |         |         | 1,113  | 1,750   |         |         |        |
| Knox             | 14        | 3    | 37,156  | 13,146  | 19,567  | 13,155  | 8,226   | 39,452                                | 13,272  | 19,947  | 13,271  | 8,284   | 27,340   | 12,160  | 17,260  | 12,072  | 7,509  |
| La Salle         | 5         |      | 2,372   | 2,1     |         |         |         |                                       |         |         |         |         |  |         |         |         |        |

TABLE 17.—NUMBER OF GINNERIES IN 1914 AND QUANTITY OF COTTON, EXCLUSIVE OF LINTERS, GINNED FROM THE CROPS OF 1910 TO 1914, BY COUNTIES—Continued.

| COUNTY.            | GINNERIES   |       | TOTAL QUANTITY GINNED.                             |         |         |         |        |                                       |         |         |         |        | NUMBER OF BALES GINNED TO DEC. 13<br>(COUNTING ROUND AS HALF BALES)— |         |         |         |        |
|--------------------|-------------|-------|--|---------|---------|---------|--------|---------------------------------------|---------|---------|---------|--------|--|---------|---------|---------|--------|
|                    | Ac-<br>tive | Idle  | Number of bales (counting round as half<br>bales)— |         |         |         |        | Number of equivalent 500-pound bales— |         |         |         |        | 1914   | 1913    | 1912    | 1911    | 1910   |
|                    |             |       | 1914   | 1913    | 1912    | 1911    | 1910   | 1914                                  | 1913    | 1912    | 1911    | 1910   |  |         |         |         |        |
| TEXAS—Continued.   |             |       |  |         |         |         |        |                                       |         |         |         |        |  |         |         |         |        |
| Menard.....        | 4           | 2     | 3,038  | 1,969   | 870     | 1,230   | 11     | 3,165                                 | 2,114   | 885     | 1,277   | 560    | 1,738  | 1,889   | 764     | 734     | 449    |
| Milam.....         | 50          | 6     | 61,330   | 62,220  | 76,603  | 83,525  | 50,392 | 64,323                                | 66,134  | 81,521  | 88,055  | 54,427 | 59,437   | 60,867  | 74,826  | 80,778  | 49,273 |
| Mills.....         | 15          | ..... | 17,140   | 9,006   | 12,671  | 13,647  | 8,867  | 18,000                                | 9,465   | 13,472  | 14,125  | 9,126  | 15,703   | 8,793   | 12,486  | 13,070  | 8,756  |
| Mitchell.....      | 14          | ..... | 33,061   | 12,028  | 9,907   | 13,792  | 6,994  | 34,535                                | 13,481  | 10,021  | 13,889  | 6,832  | 23,193   | 11,431  | 9,751   | 12,825  | 6,236  |
| Montague.....      | 20          | 2     | 43,595   | 21,807  | 39,318  | 29,147  | 27,666 | 46,036                                | 22,426  | 41,048  | 29,956  | 28,435 | 33,388   | 21,319  | 33,429  | 27,091  | 26,622 |
| Montgomery.....    | 17          | 1     | 8,896  | 8,312   | 8,305   | 7,359   | 5,047  | 8,937                                 | 8,620   | 8,577   | 7,721   | 5,186  | 7,953  | 8,192   | 8,237   | 7,171   | 4,995  |
| Morris.....        | 20          | 1     | 10,429   | 9,854   | 11,717  | 11,097  | 6,217  | 10,081                                | 9,896   | 11,476  | 10,735  | 5,871  | 10,030   | 9,646   | 11,251  | 10,452  | 5,764  |
| Motley.....        | 5           | ..... | 8,559  | 2,857   | 2,858   | 5,241   | 3,557  | 8,705                                 | 2,915   | 2,901   | 5,287   | 3,624  | 4,199  | 2,452   | 2,200   | 3,677   | 1,930  |
| Nacogdoches.....   | 49          | 4     | 15,950   | 21,717  | 21,804  | 21,974  | 14,261 | 15,369                                | 21,487  | 21,010  | 22,273  | 14,181 | 14,711   | 20,510  | 21,071  | 21,155  | 14,172 |
| Navarro.....       | 71          | 5     | 93,717   | 98,470  | 103,651 | 109,913 | 65,355 | 97,372                                | 102,212 | 111,300 | 113,254 | 68,139 | 80,788   | 95,575  | 96,451  | 106,572 | 64,689 |
| Newton.....        | 10          | 3     | 597  | 505     | 393     | 423     | 291    | 559                                   | 541     | 389     | 397     | 267    | 389  | 389     | 239     | 237     | 177    |
| Nolan.....         | 10          | 2     | 22,398   | 7,302   | 8,452   | 10,987  | 3,192  | 23,021                                | 7,815   | 8,741   | 11,470  | 3,238  | 16,153   | 6,961   | 8,303   | 10,303  | 3,070  |
| Nueces 1.....      | 22          | ..... | 26,346   | 14,853  | 18,832  | 10,742  | 8,566  | 27,500                                | 15,186  | 19,951  | 11,028  | 8,868  | 25,817   | 14,799  | 18,749  | 10,682  | 8,450  |
| Palo Pinto.....    | 16          | 3     | 10,052   | 7,487   | 17,703  | 10,695  | 10,346 | 10,354                                | 7,530   | 18,093  | 10,631  | 10,550 | 8,366  | 7,298   | 16,504  | 9,509   | 9,935  |
| Panola.....        | 34          | 7     | 19,409   | 21,274  | 24,494  | 23,205  | 17,982 | 19,762                                | 21,840  | 24,411  | 23,372  | 18,065 | 18,518   | 20,406  | 24,145  | 22,565  | 17,773 |
| Parker.....        | 30          | ..... | 24,144   | 19,157  | 38,578  | 23,491  | 23,835 | 24,921                                | 19,904  | 40,144  | 23,637  | 24,121 | 19,720   | 18,461  | 34,817  | 21,589  | 22,575 |
| Polk.....          | 25          | 1     | 6,248  | 9,101   | 7,092   | 6,303   | 8,492  | 6,305                                 | 9,400   | 7,527   | 6,515   | 3,497  | 5,128  | 8,681   | 6,903   | 5,577   | 3,433  |
| Rains.....         | 8           | ..... | 6,723  | 7,882   | 8,789   | 9,405   | 6,119  | 7,071                                 | 8,350   | 9,535   | 9,668   | 6,421  | 6,549  | 7,665   | 8,444   | 9,186   | 6,104  |
| Red River.....     | 45          | 2     | 40,466   | 44,029  | 42,718  | 51,152  | 33,289 | 42,271                                | 48,020  | 44,991  | 53,881  | 34,388 | 39,845   | 44,130  | 41,552  | 48,166  | 32,658 |
| Refugio 2.....     | 10          | ..... | 9,410  | 9,228   | 7,842   | .....   | .....  | 9,649                                 | 9,730   | 8,407   | .....   | .....  | 9,089  | 8,616   | 6,060   | .....   | .....  |
| Robertson.....     | 49          | ..... | 40,618   | 42,150  | 50,840  | 66,253  | 39,680 | 42,438                                | 43,001  | 53,006  | 60,022  | 41,283 | 39,186   | 41,126  | 49,471  | 60,208  | 39,148 |
| Rockwall.....      | 15          | 1     | 29,171   | 23,020  | 29,804  | 21,763  | 20,787 | 30,350                                | 24,544  | 31,211  | 22,159  | 21,238 | 28,496   | 22,603  | 27,827  | 21,118  | 20,402 |
| Runnels.....       | 26          | 1     | 58,184   | 16,054  | 24,853  | 30,760  | 10,277 | 62,637                                | 16,847  | 25,693  | 31,671  | 10,501 | 47,067   | 15,097  | 24,475  | 28,783  | 9,762  |
| Rusk.....          | 70          | 4     | 29,881   | 29,496  | 32,654  | 33,928  | 22,550 | 28,929                                | 29,160  | 32,994  | 33,670  | 21,844 | 27,281   | 28,456  | 31,635  | 31,587  | 22,312 |
| Sabine.....        | 21          | ..... | 3,798  | 4,445   | 3,796   | 3,584   | 2,438  | 3,622                                 | 4,498   | 3,798   | 3,555   | 2,409  | 3,490  | 3,785   | 3,188   | 3,140   | 2,269  |
| San Augustine..... | 30          | ..... | 7,365  | 10,878  | 8,526   | 7,340   | 6,021  | 7,029                                 | 10,613  | 8,506   | 7,246   | 5,972  | 6,987  | 10,047  | 8,451   | 7,185   | 5,951  |
| San Jacinto.....   | 14          | 1     | 5,059  | 7,833   | 6,837   | 6,709   | 4,127  | 5,099                                 | 8,099   | 7,048   | 7,031   | 4,245  | 4,207  | 7,583   | 6,773   | 6,113   | 4,084  |
| San Patricio.....  | 11          | ..... | 18,521   | 19,404  | 16,678  | 13,666  | 7,663  | 18,717                                | 18,839  | 17,165  | 14,030  | 6,898  | 18,492   | 10,390  | 16,511  | 13,633  | 6,655  |
| San Saba.....      | 17          | 2     | 14,181   | 9,576   | 9,524   | 12,120  | 7,715  | 15,038                                | 10,095  | 9,909   | 12,588  | 7,919  | 12,017   | 9,242   | 9,489   | 11,661  | 7,582  |
| Scurry.....        | 12          | 1     | 20,902   | 10,014  | 7,795   | 13,110  | 7,700  | 30,991                                | 9,946   | 7,935   | 13,220  | 7,856  | 20,778   | 9,538   | 7,712   | 11,822  | 7,286  |
| Shackelford.....   | 5           | ..... | 5,890  | 1,931   | 4,727   | 2,422   | 2,291  | 6,191                                 | 2,002   | 4,838   | 2,467   | 2,390  | 4,332  | 1,894   | 4,420   | 2,014   | 2,024  |
| Shelby.....        | 46          | 9     | 19,502   | 21,892  | 23,505  | 22,152  | 15,917 | 19,034                                | 25,420  | 22,875  | 21,443  | 15,112 | 18,513   | 23,112  | 23,263  | 20,946  | 15,568 |
| Smith.....         | 82          | 4     | 33,425   | 39,288  | 46,934  | 49,021  | 30,720 | 33,144                                | 39,233  | 47,554  | 48,521  | 30,579 | 30,830   | 38,502  | 45,093  | 45,027  | 30,233 |
| Somervell.....     | 5           | ..... | 3,658  | 2,134   | 4,328   | 3,059   | 2,831  | 3,081                                 | 2,203   | 4,486   | 3,054   | 2,808  | 2,800  | 2,049   | 3,086   | 2,850   | 2,634  |
| Stephens.....      | 8           | ..... | 5,004  | 2,897   | 5,492   | 2,124   | 2,098  | 5,253                                 | 2,945   | 5,898   | 1,983   | 2,694  | 3,913  | 2,743   | 5,334   | 1,953   | 2,794  |
| Stonewall.....     | 8           | ..... | 16,472   | 6,473   | 5,227   | 5,160   | 4,201  | 17,800                                | 6,513   | 5,238   | 5,324   | 4,285  | 10,988   | 5,732   | 4,500   | 4,699   | 4,077  |
| Tarrant.....       | 31          | 2     | 28,728   | 27,725  | 47,305  | 31,582  | 27,737 | 29,808                                | 28,180  | 48,885  | 32,433  | 28,404 | 23,556   | 26,542  | 41,093  | 29,353  | 26,860 |
| Taylor.....        | 26          | 3     | 51,387   | 14,297  | 24,996  | 23,316  | 9,794  | 54,994                                | 14,557  | 26,216  | 24,449  | 9,955  | 34,222   | 13,688  | 24,538  | 21,190  | 9,055  |
| Throckmorton.....  | 4           | 2     | 9,047  | 3,267   | 7,492   | 1,960   | 4,651  | 10,322                                | 3,352   | 7,895   | 2,054   | 4,905  | 7,452  | 3,180   | 7,357   | 1,808   | 4,489  |
| Titus.....         | 20          | 1     | 15,218   | 16,243  | 17,025  | 15,733  | 12,555 | 15,358                                | 16,023  | 17,304  | 15,881  | 12,681 | 14,484   | 15,642  | 16,305  | 15,302  | 12,087 |
| Tom Green.....     | 8           | 2     | 10,330   | 3,589   | 3,953   | 3,379   | 1,437  | 11,047                                | 3,753   | 4,102   | 3,484   | 1,361  | 8,442  | 3,436   | 3,817   | 2,918   | 1,377  |
| Travis.....        | 48          | 2     | 58,130   | 63,525  | 68,709  | 59,814  | 41,732 | 61,967                                | 66,879  | 73,574  | 64,812  | 45,428 | 55,305   | 61,833  | 65,055  | 66,971  | 40,278 |
| Trinity.....       | 13          | 1     | 8,747  | 7,892   | 7,732   | 8,323   | 5,811  | 5,877                                 | 8,348   | 8,095   | 8,596   | 5,530  | 5,037  | 7,441   | 7,566   | 7,798   | 5,258  |
| Tyler.....         | 14          | 4     | 2,210  | 2,349   | 1,829   | 1,031   | 909    | 2,124                                 | 2,359   | 1,699   | 1,612   | 947    | 1,665  | 2,231   | 1,746   | 1,372   | 959    |
| Upshur.....        | 48          | 5     | 20,474   | 21,773  | 23,443  | 23,729  | 12,999 | 20,728                                | 21,912  | 23,554  | 23,591  | 12,284 | 19,284   | 20,824  | 22,714  | 21,805  | 12,758 |
| Uvalde.....        | 7           | 3     | 7,320  | 6,650   | 9,725   | 4,284   | 3,382  | 7,777                                 | 6,839   | 9,871   | 4,603   | 3,546  | 7,301  | 6,604   | 9,612   | 4,090   | 3,348  |
| Van Zandt.....     | 48          | 2     | 31,191   | 40,130  | 39,448  | 38,392  | 24,170 | 31,896                                | 40,275  | 40,939  | 40,227  | 24,900 | 28,964   | 39,215  | 36,550  | 32,545  | 20,762 |
| Victoria.....      | 21          | ..... | 12,616   | 23,762  | 20,156  | 14,148  | 11,437 | 13,688                                | 24,859  | 21,223  | 14,745  | 12,147 | 12,570   | 23,547  | 19,597  | 13,887  | 11,413 |
| Walker.....        | 22          | 7     | 9,510  | 13,194  | 15,716  | 14,592  | 10,067 | 10,052                                | 14,239  | 16,939  | 15,497  | 10,480 | 7,573  | 12,912  | 15,174  | 13,813  | 9,930  |
| Waller.....        | 22          | 1     | 9,873  | 11,621  | 13,322  | 15,998  | 12,344 | 10,203                                | 11,972  | 13,586  | 16,385  | 12,675 | 9,303  | 11,294  | 13,219  | 15,469  | 12,266 |
| Ward 2.....        | 3           | ..... | 3,251  | 1,608   | 1,208   | .....   | .....  | 3,401                                 | 1,648   | 1,243   | .....   | .....  | 1,330  | 1,247   | 1,022   | .....   | .....  |
| Washington.....    | 43          | 5     | 32,442   | 41,248  | 38,154  | 40,619  | 30,819 | 34,200                                | 45,959  | 41,084  | 43,397  | 32,996 | 30,090   | 40,611  | 36,983  | 39,565  | 30,043 |
| Wharton.....       | 20          | 3     | 14,717   | 21,091  | 24,695  | 15,923  | 15,338 | 15,665                                | 22,205  | 25,293  | 16,751  | 16,091 | 12,423   | 20,445  | 24,228  | 14,975  | 15,117 |
| Wheeler.....       | 4           | ..... | 5,192  | 1,859   | 2,918   | 4,381   | 2,236  | 4,940                                 | 1,758   | 2,837   | 4,450   | 2,185  | 3,085  | 1,729   | 2,481   | 2,976   | 2,125  |
| Wichita.....       | 10          | ..... | 14,323   | 6,003   | 13,445  | 4,290   | 8,657  | 15,291                                | 6,063   | 13,337  | 4,280   | 8,756  | 12,161   | 5,716   | 11,516  | 3,860   | 8,383  |
| Wilbarger.....     | 20          | 2     | 38,029   | 11,168  | 34,284  | 17,261  | 20,865 | 40,919                                | 11,070  | 35,052  | 17,965  | 21,329 | 27,286   | 9,920   | 24,299  | 14,188  | 19,040 |
| Williamson.....    | 75          | 4     | 105,714  | 103,131 | 124,187 | 121,139 | 73,708 | 112,791                               | 114,262 | 134,689 | 130,104 | 70,616 | 99,964   | 101,308 | 118,333 | 117,931 | 71,180 |
| Wilson.....        | 17          | 1     | 27,920   | 27,854  | 24,289  | 20,375  | 15,029 | 20,383                                | 20,631  | 25,465  | 20,986  | 15,555 | 2  |         |         |         |        |

## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 18.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES: CROP OF 1914.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

| COUNTY.         | COTTON GINNED TO— |           |          |           |           |           |           |           |           | Total ginned. |
|-----------------|-------------------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                 | Sept. 1.          | Sept. 25. | Oct. 18. | Nov. 1.   | Nov. 14.  | Dec. 1.   | Dec. 13.  | Jan. 1.   | Jan. 16.  |               |
| ALABAMA.        |                   |           |          |           |           |           |           |           |           |               |
| The state.....  | 46,241            | 392,217   | 810,295  | 1,068,771 | 1,270,450 | 1,439,556 | 1,573,140 | 1,638,648 | 1,676,349 | 1,731,751     |
| Autauga.....    | 1,296             | 8,008     | 14,233   | 17,362    | 19,165    | 21,095    | 22,779    | 23,891    | 24,226    | 24,538        |
| Barbour.....    | 2,105             | 12,887    | 21,755   | 26,767    | 30,097    | 33,162    | 36,849    | 39,555    | 40,816    | 41,469        |
| Bibb.....       | (1)               | 1,247     | 3,244    | 4,856     | 6,125     | 7,682     | 9,471     | 10,444    | 11,178    | 11,893        |
| Blount.....     |                   | 902       | 5,123    | 9,357     | 12,866    | 15,400    | 16,991    | 17,688    | 18,275    | 19,787        |
| Bullock.....    | 794               | 9,809     | 17,416   | 21,814    | 23,869    | 26,892    | 28,255    | 30,092    | 30,663    | 31,111        |
| Butler.....     | 1,295             | 8,632     | 15,685   | 19,372    | 21,453    | 23,903    | 26,511    | 27,700    | 27,999    | 28,515        |
| Calhoun.....    | 11                | 3,030     | 10,859   | 16,114    | 20,364    | 23,336    | 25,437    | 26,310    | 26,849    | 28,223        |
| Chambers.....   | 65                | 9,721     | 19,897   | 27,018    | 31,588    | 35,020    | 37,469    | 39,563    | 40,228    | 41,621        |
| Cherokee.....   | (1)               | 1,516     | 8,580    | 14,055    | 18,336    | 20,942    | 23,091    | 23,790    | 24,385    | 26,336        |
| Chilton.....    | 67                | 4,178     | 10,667   | 13,972    | 16,154    | 18,622    | 20,672    | 21,729    | 22,189    | 22,454        |
| Choctaw.....    | 56                | 865       | 1,892    | 2,483     | 3,604     | 3,732     | 4,123     | 4,327     | 4,433     | 4,648         |
| Clarke.....     | 224               | 2,634     | 5,199    | 6,553     | 7,308     | 8,544     | 9,717     | 10,426    | 10,906    | 11,646        |
| Clay.....       | (1)               | 1,366     | 6,366    | 10,895    | 14,246    | 16,673    | 18,441    | 19,255    | 19,922    | 20,961        |
| Cleburne.....   |                   | 250       | 2,357    | 4,531     | 6,429     | 7,715     | 8,653     | 9,078     | 9,476     | 10,387        |
| Coffee.....     | 2,403             | 12,697    | 20,110   | 24,822    | 28,691    | 31,858    | 34,065    | 36,526    | 37,486    | 38,351        |
| Colbert.....    | 27                | 3,234     | 8,178    | 11,654    | 14,373    | 16,222    | 17,248    | 17,514    | 17,789    | 18,039        |
| Conecuh.....    | 283               | 5,691     | 10,447   | 12,569    | 13,877    | 15,184    | 16,441    | 16,844    | 16,985    | 17,256        |
| Coosa.....      | 3                 | 2,180     | 6,312    | 9,422     | 11,588    | 13,586    | 15,888    | 16,962    | 17,409    | 18,387        |
| Covington.....  | 2,186             | 11,143    | 18,975   | 23,113    | 25,693    | 28,478    | 31,154    | 32,389    | 33,200    | 33,570        |
| Crenshaw.....   | 844               | 7,296     | 15,750   | 19,372    | 21,412    | 24,454    | 26,700    | 28,742    | 29,117    | 30,142        |
| Cullman.....    |                   | 1,472     | 9,720    | 15,823    | 22,605    | 27,765    | 30,707    | 31,318    | 32,466    | 33,669        |
| Dale.....       | 1,938             | 9,910     | 16,265   | 19,861    | 22,399    | 24,867    | 27,532    | 29,804    | 31,263    | 31,888        |
| Dallas.....     | 3,246             | 21,440    | 36,751   | 43,082    | 48,591    | 54,412    | 58,379    | 59,591    | 60,019    | 60,377        |
| Dekalb.....     |                   | 1,300     | 8,996    | 14,972    | 21,056    | 24,387    | 26,500    | 27,209    | 28,103    | 30,402        |
| Elmore.....     | 1,575             | 11,046    | 20,525   | 24,254    | 26,530    | 29,151    | 31,493    | 32,246    | 32,691    | 33,563        |
| Escambia.....   | 788               | 3,481     | 5,409    | 6,056     | 6,735     | 6,996     | 7,412     | 7,545     | 7,563     | 7,679         |
| Etowah.....     | (1)               | 1,422     | 6,903    | 11,306    | 14,894    | 17,523    | 19,423    | 20,103    | 20,698    | 22,538        |
| Fayette.....    | 4                 | 2,027     | 5,716    | 8,952     | 11,674    | 14,229    | 16,124    | 16,767    | 17,592    | 19,042        |
| Franklin.....   | (1)               | 1,724     | 6,610    | 10,221    | 13,322    | 15,828    | 17,306    | 17,583    | 18,243    | 19,410        |
| Geneva.....     | 4,589             | 15,652    | 22,980   | 27,151    | 31,246    | 34,418    | 36,981    | 38,747    | 39,576    | 40,153        |
| Greene.....     | 109               | 3,271     | 6,351    | 7,994     | 9,439     | 11,239    | 13,010    | 13,386    | 13,540    | 13,575        |
| Hale.....       | 343               | 6,965     | 12,897   | 15,790    | 18,234    | 20,892    | 22,468    | 22,918    | 23,129    | 23,259        |
| Henry.....      | 1,837             | 9,565     | 15,826   | 19,474    | 21,996    | 24,539    | 27,246    | 29,417    | 30,490    | 30,852        |
| Houston.....    | 4,095             | 15,132    | 21,989   | 26,626    | 29,953    | 32,892    | 35,411    | 37,690    | 38,465    | 38,926        |
| Jackson.....    |                   | 596       | 4,486    | 8,230     | 12,335    | 15,362    | 16,752    | 17,225    | 17,931    | 19,919        |
| Jefferson.....  | (1)               | 966       | 3,449    | 5,692     | 7,705     | 9,424     | 10,691    | 11,292    | 12,002    | 12,874        |
| Lamar.....      | 7                 | 2,184     | 6,346    | 9,008     | 11,781    | 14,283    | 15,883    | 16,479    | 17,161    | 18,268        |
| Lauderdale..... | (1)               | 2,764     | 10,483   | 16,350    | 21,571    | 25,035    | 26,447    | 26,796    | 27,296    | 28,215        |
| Lawrence.....   | (1)               | 3,104     | 10,001   | 14,789    | 18,564    | 20,879    | 22,298    | 22,506    | 22,912    | 23,530        |
| Lee.....        | 1,137             | 12,621    | 20,964   | 25,080    | 27,638    | 29,361    | 31,300    | 32,664    | 32,908    | 33,283        |
| Limestone.....  | (1)               | 3,775     | 11,680   | 17,519    | 22,488    | 25,831    | 27,679    | 28,049    | 28,505    | 30,509        |
| Lowndes.....    | 1,245             | 12,176    | 21,948   | 26,617    | 29,614    | 32,765    | 36,412    | 38,004    | 38,590    | 39,281        |
| Macon.....      | 1,717             | 13,661    | 24,245   | 28,732    | 30,823    | 33,044    | 34,968    | 36,287    | 36,544    | 36,768        |
| Madison.....    | 17                | 5,530     | 18,305   | 25,243    | 32,857    | 37,533    | 39,549    | 40,065    | 40,577    | 43,268        |
| Marengo.....    | 337               | 8,186     | 16,594   | 20,630    | 23,964    | 26,727    | 27,888    | 28,318    | 28,393    | 28,507        |
| Marion.....     | (1)               | 1,997     | 6,427    | 10,139    | 13,271    | 16,103    | 17,740    | 18,455    | 19,180    | 20,133        |
| Marshall.....   | (1)               | 1,722     | 10,647   | 18,286    | 25,112    | 29,756    | 32,416    | 33,395    | 34,199    | 37,553        |
| Monroe.....     | 1,094             | 8,063     | 15,353   | 17,932    | 19,882    | 21,302    | 23,242    | 23,767    | 24,167    | 24,362        |
| Montgomery..... | 3,606             | 21,138    | 34,806   | 41,134    | 44,929    | 48,100    | 51,701    | 53,945    | 54,489    | 54,898        |
| Morgan.....     | (1)               | 2,724     | 11,167   | 17,612    | 22,561    | 25,827    | 28,065    | 28,924    | 29,503    | 31,590        |
| Perry.....      | 635               | 10,438    | 18,354   | 22,482    | 26,742    | 30,130    | 33,104    | 34,338    | 35,113    | 35,510        |
| Pickens.....    | 49                | 2,131     | 5,368    | 7,924     | 10,182    | 13,469    | 16,069    | 17,006    | 17,723    | 18,632        |
| Pike.....       | 2,794             | 16,431    | 27,022   | 32,547    | 35,344    | 38,490    | 41,825    | 44,187    | 44,622    | 44,996        |
| Randolph.....   | (1)               | 3,215     | 10,499   | 15,823    | 19,229    | 22,312    | 24,237    | 25,207    | 26,186    | 27,020        |
| Russell.....    | 1,404             | 11,962    | 20,694   | 25,307    | 28,336    | 31,404    | 33,430    | 35,676    | 36,864    | 37,466        |
| St. Clair.....  | 7                 | 1,644     | 5,131    | 7,915     | 10,308    | 12,310    | 14,073    | 14,703    | 15,345    | 16,011        |
| Shelby.....     | 15                | 2,278     | 6,381    | 8,981     | 11,170    | 13,045    | 14,659    | 15,509    | 16,077    | 16,464        |
| Sumter.....     | 47                | 2,090     | 4,068    | 5,812     | 7,592     | 8,912     | 10,773    | 10,943    | 11,185    | 11,571        |
| Talladega.....  | 65                | 7,310     | 18,324   | 25,013    | 29,972    | 33,498    | 36,317    | 37,356    | 37,660    | 38,297        |
| Tallapoosa..... | 102               | 5,117     | 12,182   | 16,982    | 20,651    | 24,050    | 26,882    | 28,523    | 29,542    | 30,287        |
| Tuscaloosa..... | 213               | 4,911     | 10,328   | 13,685    | 17,735    | 21,453    | 24,552    | 26,388    | 27,634    | 29,027        |
| Walker.....     | (1)               | 352       | 2,534    | 4,615     | 6,852     | 8,908     | 10,339    | 10,940    | 11,388    | 12,226        |
| Wilcox.....     | 1,466             | 10,188    | 18,275   | 21,771    | 24,364    | 27,315    | 29,631    | 30,468    | 30,556    | 30,700        |
| Winston.....    |                   | 752       | 3,532    | 6,453     | 8,705     | 9,799     | 11,048    | 11,438    | 11,747    | 12,652        |
| All other.....  | 121               | 399       | 749      | 2,215     | 2,301     | 2,486     | 2,623     | 2,646     | 2,981     | 3,237         |
| ARKANSAS.       |                   |           |          |           |           |           |           |           |           |               |
| The state.....  | 521               | 99,347    | 397,261  | 573,571   | 738,853   | 840,295   | 893,965   | 913,324   | 941,426   | 999,237       |
| Arkansas.....   |                   | 89        | 1,123    | 1,949     | 2,891     | 3,626     | 3,989     | 4,073     | 4,252     | 4,605         |
| Ashley.....     | 4                 | 1,463     | 6,499    | 9,546     | 12,191    | 13,999    | 15,232    | 15,633    | 15,806    | 15,815        |
| Baxter.....     |                   | (1)       | 323      | 794       | 1,271     | 1,660     | 1,766     | 1,818     | 1,946     | 2,062         |
| Bradley.....    | 13                | 843       | 2,742    | 4,156     | 5,323     | 6,172     | 6,748     | 6,899     | 7,134     | 7,301         |
| Calhoun.....    | 6                 | 606       | 2,493    | 3,889     | 5,072     | 5,803     | 6,129     | 6,269     | 6,393     | 6,596         |
| Chicot.....     | (1)               | 816       | 4,259    | 6,401     | 9,095     | 12,368    | 15,544    | 17,469    | 18,730    | 20,158        |
| Clark.....      | (1)               | 1,285     | 5,989    | 8,284     | 9,816     | 10,666    | 10,898    | 11,000    | 11,230    | 11,405        |
| Clay.....       |                   | 684       | 3,566    | 6,668     | 9,704     | 11,393    | 12,220    | 12,545    | 12,906    | 13,677        |
| Cleburne.....   |                   | 225       | 1,961    | 2,863     | 3,912     | 4,630     | 4,872     | 4,893     | 5,023     | 5,132         |
| Cleveland.....  | 21                | 1,483     | 4,804    | 6,798     | 8,838     | 9,694     | 10,142    | 10,345    | 10,599    | 10,834        |

<sup>1</sup> Included in all other counties, to avoid disclosure of individual operations.



## COTTON PRODUCTION IN THE UNITED STATES.

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TABLE 18.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES:  
CROP OF 1914—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

| COUNTY. | COTTON GINNED TO— |           |          |         |          |         |          |         |          | Total ginned. |
|---------|-------------------|-----------|----------|---------|----------|---------|----------|---------|----------|---------------|
|         | Sept. 1.          | Sept. 25. | Oct. 18. | Nov. 1. | Nov. 14. | Dec. 1. | Dec. 13. | Jan. 1. | Jan. 16. |               |

|                     |       |       |        |        |        |        |        |        |        |        |
|---------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| ARKANSAS—Continued. |       |       |        |        |        |        |        |        |        |        |
| Columbia.....       | 23    | 4,526 | 13,513 | 18,273 | 21,823 | 23,850 | 25,146 | 25,515 | 25,705 | 23,162 |
| Conway.....         | (1)   | 3,736 | 10,756 | 13,715 | 16,787 | 18,452 | 19,029 | 19,235 | 19,578 | 19,996 |
| Craighead.....      | (1)   | 560   | 3,698  | 5,865  | 9,272  | 11,414 | 12,382 | 12,768 | 13,689 | 14,609 |
| Crawford.....       | (1)   | 2,140 | 7,931  | 11,528 | 14,950 | 17,036 | 17,363 | 17,506 | 18,009 | 18,326 |
| Crittenden.....     | 17    | 3,924 | 16,649 | 23,366 | 30,478 | 35,376 | 37,420 | 38,043 | 40,242 | 49,933 |
| Cross.....          | 5     | 616   | 3,391  | 5,150  | 6,477  | 7,953  | 8,891  | 9,157  | 9,503  | 10,339 |
| Dallas.....         | 10    | 612   | 2,147  | 2,945  | 3,863  | 4,491  | 4,848  | 4,989  | 5,179  | 5,471  |
| Desha.....          | (1)   | 555   | 5,061  | 7,185  | 9,463  | 11,132 | 13,437 | 13,847 | 14,405 | 16,345 |
| Drew.....           | (1)   | 987   | 4,878  | 8,122  | 10,678 | 13,029 | 14,701 | 15,088 | 15,467 | 15,976 |
| Faulkner.....       | 8     | 3,659 | 11,326 | 15,370 | 19,430 | 21,543 | 22,018 | 22,309 | 22,589 | 23,068 |
| Franklin.....       | (1)   | 2,021 | 6,342  | 8,943  | 12,002 | 13,133 | 13,522 | 13,633 | 13,832 | 14,141 |
| Fulton.....         | 10    | 275   | 644    | 1,086  | 1,409  | 1,568  | 1,677  | 1,719  | 1,812  | 1,812  |
| Grant.....          | 460   | 2,141 | 3,191  | 3,833  | 4,398  | 4,583  | 4,713  | 4,809  | 5,022  | 5,022  |
| Greene.....         | 384   | 2,701 | 4,963  | 7,349  | 9,086  | 9,642  | 10,150 | 10,733 | 12,322 | 12,322 |
| Hempstead.....      | 7     | 2,594 | 10,108 | 13,400 | 15,899 | 16,879 | 17,241 | 17,317 | 17,417 | 17,532 |
| Hot Spring.....     | 430   | 1,964 | 2,637  | 3,545  | 4,016  | 4,182  | 4,256  | 4,307  | 4,486  | 4,486  |
| Howard.....         | 14    | 1,508 | 5,346  | 6,780  | 7,888  | 8,458  | 8,601  | 8,649  | 8,709  | 8,816  |
| Independence.....   | 474   | 2,513 | 3,814  | 5,637  | 6,590  | 6,996  | 7,070  | 7,262  | 7,620  | 7,620  |
| Izard.....          | 43    | 626   | 1,333  | 2,251  | 2,916  | 3,128  | 3,205  | 3,332  | 3,411  | 3,411  |
| Jackson.....        | 71    | 2,512 | 10,269 | 14,794 | 18,829 | 20,910 | 22,047 | 22,268 | 22,413 | 23,744 |
| Jefferson.....      | (1)   | 3,085 | 16,489 | 24,390 | 31,650 | 36,494 | 39,916 | 41,080 | 43,347 | 46,325 |
| Johnson.....        | 4     | 1,867 | 6,453  | 9,222  | 11,862 | 13,215 | 13,554 | 13,622 | 13,854 | 14,179 |
| Lafayette.....      | 17    | 1,793 | 6,049  | 8,518  | 10,388 | 11,304 | 11,729 | 11,835 | 11,915 | 11,981 |
| Lawrence.....       | (1)   | 956   | 6,004  | 9,092  | 12,837 | 14,742 | 15,249 | 15,461 | 15,732 | 15,991 |
| Lee.....            | (1)   | 1,866 | 8,704  | 12,640 | 16,220 | 19,124 | 21,063 | 21,708 | 23,089 | 26,094 |
| Lincoln.....        | 1,800 | 6,330 | 9,396  | 12,806 | 13,972 | 15,353 | 15,877 | 16,186 | 17,109 | 17,109 |
| Little River.....   | (1)   | 1,053 | 6,272  | 8,719  | 10,462 | 11,385 | 11,841 | 11,996 | 12,158 | 12,382 |
| Logan.....          | 9     | 3,169 | 10,400 | 14,784 | 19,007 | 20,610 | 21,105 | 21,201 | 21,680 | 22,108 |
| Lonoke.....         | 4     | 3,494 | 12,794 | 18,592 | 23,952 | 27,298 | 28,742 | 29,103 | 29,963 | 31,072 |
| Miller.....         | 3     | 1,210 | 5,958  | 8,345  | 10,007 | 11,164 | 11,933 | 12,192 | 12,353 | 12,161 |
| Mississippi.....    | 123   | 7,376 | 22,500 | 33,225 | 43,901 | 49,828 | 51,323 | 52,470 | 55,259 | 62,125 |
| Monroe.....         | 1,201 | 5,738 | 8,534  | 11,390 | 12,910 | 13,894 | 14,159 | 14,639 | 15,928 | 15,928 |
| Montgomery.....     | 216   | 1,402 | 2,105  | 2,782  | 3,275  | 3,361  | 3,428  | 3,523  | 3,569  | 3,569  |
| Nevada.....         | (1)   | 2,434 | 7,622  | 10,262 | 10,908 | 11,222 | 11,304 | 12,340 | 12,879 | 14,655 |
| Ouchita.....        | 4     | 1,219 | 4,416  | 6,237  | 7,508  | 8,361  | 8,695  | 8,892  | 9,038  | 9,195  |
| Perry.....          | (1)   | 934   | 2,867  | 3,854  | 4,657  | 5,070  | 5,249  | 5,289  | 5,394  | 5,439  |
| Phillips.....       | (1)   | 3,950 | 15,275 | 21,742 | 27,739 | 31,945 | 35,414 | 36,144 | 37,580 | 40,462 |
| Pike.....           | (1)   | 419   | 1,813  | 2,462  | 3,098  | 3,306  | 3,483  | 3,526  | 3,575  | 3,648  |
| Polk.....           | 25    | 1,172 | 4,220  | 6,183  | 8,014  | 9,161  | 9,723  | 9,868  | 10,457 | 11,304 |
| Polk.....           | (1)   | 210   | 1,491  | 2,416  | 3,442  | 3,810  | 3,909  | 3,929  | 4,003  | 4,069  |
| Pope.....           | (1)   | 3,196 | 10,422 | 14,219 | 18,019 | 20,493 | 21,181 | 21,846 | 21,841 | 22,687 |
| Prairie.....        | (1)   | 267   | 2,308  | 3,401  | 4,505  | 5,271  | 5,748  | 5,919  | 6,139  | 6,736  |
| Pulaski.....        | (1)   | 1,826 | 5,559  | 11,929 | 14,868 | 17,647 | 19,312 | 20,045 | 20,529 | 21,765 |
| Randolph.....       | 451   | 3,063 | 5,015  | 6,626  | 7,221  | 7,503  | 7,503  | 7,523  | 7,555  | 7,555  |
| St. Francis.....    | 20    | 1,759 | 8,500  | 13,412 | 17,330 | 20,266 | 21,965 | 22,305 | 23,287 | 25,031 |
| Saline.....         | 738   | 2,893 | 4,053  | 5,499  | 6,208  | 6,537  | 6,655  | 6,783  | 7,003  | 7,003  |
| Scott.....          | 4     | 817   | 4,003  | 6,194  | 8,423  | 9,392  | 9,580  | 9,819  | 9,932  | 10,149 |
| Sebastian.....      | 8     | 2,272 | 7,992  | 11,133 | 14,015 | 16,484 | 15,749 | 16,880 | 16,089 | 16,432 |
| Sevier.....         | 7     | 929   | 3,594  | 4,761  | 5,734  | 6,238  | 6,395  | 6,458  | 6,587  | 6,715  |
| Sharp.....          | 83    | 970   | 1,602  | 2,321  | 2,784  | 2,833  | 2,905  | 2,985  | 3,015  | 3,015  |
| Union.....          | 17    | 1,743 | 5,896  | 8,790  | 11,413 | 13,644 | 14,710 | 15,136 | 15,659 | 16,041 |
| Van Buren.....      | 377   | 2,540 | 3,654  | 4,782  | 5,467  | 5,693  | 5,754  | 5,911  | 6,039  | 6,039  |
| White.....          | (1)   | 1,250 | 7,977  | 11,635 | 15,486 | 17,724 | 18,565 | 18,787 | 19,190 | 19,609 |
| Woodruff.....       | (1)   | 2,393 | 9,360  | 12,655 | 15,885 | 17,939 | 19,513 | 19,788 | 20,560 | 22,194 |
| Yell.....           | 10    | 3,052 | 10,354 | 14,631 | 18,699 | 20,745 | 21,282 | 21,433 | 21,881 | 22,445 |
| All other.....      | 67    | 7     | 539    | 2,372  | 3,159  | 3,626  | 6,482  | 6,582  | 6,802  | 7,840  |

## FLORIDA.

| The state.....  | 5,214 | 25,579 | 43,313 | 56,645 | 65,903 | 72,962 | 80,909 | 85,705 | 88,131 | 90,648 |
|-----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Alachua.....    | 417   | 1,986  | 3,972  | 5,291  | 6,335  | 6,091  | 7,458  | 7,800  | 7,995  | 8,063  |
| Baker.....      | 124   | 50     | 270    | 463    | 535    | 662    | 869    | 931    | 1,007  | 1,063  |
| Bradford.....   | 169   | 909    | 1,859  | 2,398  | 2,722  | 3,030  | 3,302  | 3,491  | 3,580  | 3,590  |
| Columbia.....   | 97    | 885    | 1,870  | 2,413  | 2,926  | 3,302  | 3,608  | 3,743  | 3,776  | 3,785  |
| Hamilton.....   | 274   | 1,101  | 2,139  | 2,814  | 3,545  | 4,216  | 4,670  | 5,024  | 5,293  | 5,437  |
| Holmes.....     | 491   | 1,805  | 2,880  | 3,556  | 3,930  | 4,402  | 4,810  | 4,973  | 5,216  | 5,315  |
| Jackson.....    | 2,346 | 9,835  | 14,276 | 17,004 | 19,104 | 20,205 | 21,935 | 22,855 | 23,288 | 23,872 |
| Jefferson.....  | 493   | 2,528  | 3,802  | 4,626  | 5,387  | 5,810  | 6,429  | 6,880  | 6,953  | 7,021  |
| Lafayette.....  | (1)   | 142    | 321    | 433    | 516    | 624    | 647    | 693    | 701    | 715    |
| Leon.....       | 274   | 1,527  | 2,499  | 3,155  | 3,631  | 4,108  | 4,799  | 5,511  | 5,590  | 5,592  |
| Madison.....    | 160   | 1,685  | 3,619  | 5,258  | 6,496  | 7,371  | 8,235  | 8,724  | 8,870  | 8,966  |
| Suwannee.....   | 103   | 1,090  | 2,616  | 3,597  | 4,497  | 5,519  | 6,238  | 6,620  | 6,870  | 6,996  |
| Washington..... | (1)   | 913    | 1,380  | 1,660  | 1,939  | 2,097  | 2,195  | 2,287  | 2,680  | 2,769  |
| All other.....  | 540   | 1,123  | 1,810  | 3,977  | 4,340  | 4,625  | 5,714  | 6,173  | 6,312  | 7,444  |

\* Included in all other counties, to avoid disclosure of individual operations.



## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 18.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES:  
CROP OF 1914—Continued.

(Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.)

| COUNTY.  | COTTON GINNED TO— |           |           |           |           |           |           |           |           | Total ginned. |
|--|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|  | Sept. 1.          | Sept. 25. | Oct. 18.  | Nov. 1.   | Nov. 14.  | Dec. 1.   | Dec. 13.  | Jan. 1.   | Jan. 16.  |               |
| GEORGIA.   |                   |           |           |           |           |           |           |           |           |               |
| The state.....   | 136,286           | 788,095   | 1,367,916 | 1,763,374 | 2,062,875 | 2,285,924 | 2,451,644 | 2,548,808 | 2,595,054 | 2,723,094     |
| Appling.....   | 783               | 3,599     | 6,024     | 7,286     | 8,181     | 9,214     | 9,920     | 6,553     | 6,083     | 6,823         |
| Bacon.....   | 1,874             | 5,212     | 7,103     | 8,420     | 9,250     | 10,000    | 10,666    | 11,129    | 11,347    | 4,501         |
| Baker.....   | 420               | 5,054     | 7,963     | 9,966     | 11,237    | 12,362    | 13,128    | 13,841    | 14,060    | 11,002        |
| Baldwin.....   |                   | 926       | 3,646     | 5,391     | 7,501     | 8,604     | 9,376     | 9,798     | 10,048    | 14,385        |
| Banks.....   |                   |           |           |           |           |           |           |           |           | 11,211        |
| Barrow.....  | ( <sup>1</sup> )  | 3,040     | 11,005    | 16,921    | 21,435    | 24,175    | 25,798    | 16,974    | 17,202    | 18,181        |
| Ben Hill.....  | 2,324             | 6,732     | 9,091     | 10,557    | 11,640    | 12,432    | 13,166    | 13,621    | 26,696    | 28,172        |
| Berrien.....   | 2,176             | 6,691     | 10,563    | 13,180    | 14,397    | 16,954    | 18,909    | 19,900    | 13,873    | 14,231        |
| Bibb.....  | 291               | 4,678     | 8,250     | 10,008    | 11,318    | 12,255    | 13,270    | 13,884    | 20,768    | 20,953        |
| Bleckley.....  |                   |           |           |           |           |           |           |           |           | 14,310        |
| Brooks.....  | 1,279             | 5,407     | 8,371     | 10,288    | 11,771    | 12,844    | 13,669    | 14,065    | 14,282    |               |
| Bryan.....   | 3,173             | 9,113     | 12,416    | 14,063    | 15,562    | 16,955    | 17,988    | 18,579    | 18,852    | 14,570        |
| Bullock.....   | 125               | 943       | 1,968     | 2,423     | 2,826     | 3,290     | 3,634     | 3,911     | 3,984     | 10,129        |
| Bulloch.....   | 1,646             | 14,680    | 27,445    | 32,644    | 35,997    | 39,840    | 43,760    | 36,753    | 37,541    | 4,122         |
| Burke.....   | 3,704             | 22,270    | 35,326    | 43,209    | 48,084    | 51,721    | 53,749    | 55,021    | 56,704    | 38,836        |
| Butts.....   | 30                |           |           |           |           |           |           |           |           | 60,820        |
| Calhoun.....   |                   | 4,441     | 8,349     | 10,939    | 12,705    | 14,288    | 15,209    | 15,905    | 16,206    |               |
| Candler.....   | 3,428             | 9,412     | 12,507    | 14,784    | 16,142    | 17,354    | 18,254    | 19,181    | 19,450    | 17,015        |
| Carroll.....   | ( <sup>2</sup> )  | 2,759     | 6,414     | 9,738     | 12,012    | 14,496    | 15,543    | 16,994    | 16,188    | 19,054        |
| Chattahoochee.....   | 4                 | 3,350     | 14,323    | 23,845    | 30,789    | 36,106    | 39,526    | 41,487    | 42,638    | 17,012        |
| Chattooga.....   |                   |           |           |           |           |           |           |           |           | 12,548        |
| Cherokee.....  | ( <sup>3</sup> )  | 2,046     | 4,476     | 5,845     | 6,562     | 7,357     | 7,998     | 8,345     | 8,524     | 46,371        |
| Clarke.....  |                   | 1,099     | 4,713     | 7,338     | 10,113    | 11,903    | 12,948    | 13,423    | 13,789    |               |
| Clay.....  |                   | 722       | 4,610     | 7,062     | 9,669     | 11,019    | 12,144    | 12,649    | 12,851    | 8,781         |
| Clayton.....   | 1,446             | 2,108     | 5,704     | 7,918     | 10,309    | 11,435    | 12,132    | 12,538    | 12,866    | 15,582        |
| Cobb.....  |                   | 6,363     | 9,445     | 11,115    | 12,577    | 13,635    | 14,564    | 15,110    | 15,297    | 13,746        |
| Cole.....  | 21                | 2,733     | 6,492     | 9,213     | 11,440    | 12,870    | 13,651    | 14,063    | 14,364    | 14,200        |
| Colfax.....  | ( <sup>4</sup> )  | 2,268     | 6,492     | 9,213     | 11,440    | 12,870    | 13,651    | 14,063    | 14,364    | 15,449        |
| Colquitt.....  | 2,119             | 9,622     | 14,023    | 17,214    | 19,415    | 22,254    | 23,730    | 24,702    | 25,332    | 15,139        |
| Columbia.....  | 4,158             | 12,570    | 17,988    | 21,080    | 23,267    | 24,856    | 26,039    | 26,825    | 27,513    | 25,036        |
| Coweta.....  | 354               | 5,529     | 9,359     | 11,792    | 13,604    | 15,007    | 16,179    | 16,813    | 17,313    | 26,427        |
| Crawford.....  | 79                | 8,886     | 18,193    | 25,406    | 30,745    | 33,859    | 35,997    | 36,684    | 37,151    | 26,854        |
| Crisp.....   | 162               | 2,936     | 4,531     | 5,754     | 6,547     | 7,199     | 7,766     | 8,137     | 8,355     | 17,896        |
| Decatur.....   | 5,074             | 12,903    | 17,778    | 20,919    | 22,962    | 25,148    | 27,188    | 27,613    | 27,852    | 40,240        |
| Dekalb.....  | 1,864             | 7,006     | 10,814    | 13,099    | 14,815    | 16,238    | 17,978    | 19,800    | 20,556    | 8,818         |
| Dodge.....   | 10                | 2,993     | 6,989     | 9,754     | 12,310    | 14,013    | 15,110    | 15,652    | 15,835    | 28,114        |
| Doyle.....   | 3,881             | 14,827    | 22,652    | 26,949    | 30,720    | 32,957    | 35,246    | 36,302    | 36,857    | 26,536        |
| Dougherty.....   | 5,720             | 19,538    | 27,248    | 32,880    | 36,349    | 39,608    | 41,568    | 42,470    | 43,142    | 16,449        |
| Douglas.....   | 3,804             | 9,830     | 14,192    | 16,434    | 17,802    | 19,088    | 20,451    | 21,740    | 21,972    | 37,701        |
| Early.....   | ( <sup>5</sup> )  | 994       | 4,093     | 6,445     | 8,491     | 10,039    | 11,164    | 11,774    | 12,059    | 44,100        |
| Effingham.....   | 4,332             | 12,403    | 17,109    | 20,344    | 22,398    | 24,332    | 25,937    | 26,840    | 27,235    | 22,331        |
| Elbert.....  |                   |           |           |           |           |           |           |           |           | 13,248        |
| Emanuel.....   | 252               | 1,770     | 3,040     | 3,651     | 4,126     | 4,410     | 4,916     | 5,060     | 5,312     | 27,093        |
| Evans.....   | ( <sup>6</sup> )  | 3,704     | 9,815     | 13,669    | 16,032    | 18,475    | 19,583    | 20,480    | 20,684    |               |
| Fayette.....   | 3,146             | 15,213    | 24,440    | 29,793    | 33,005    | 36,425    | 38,572    | 37,595    | 38,391    | 5,566         |
| Floyd.....   | 8                 | 3,223     | 7,631     | 11,223    | 14,111    | 15,624    | 16,655    | 17,151    | 17,328    | 22,394        |
| Forsyth.....   | ( <sup>7</sup> )  | 2,655     | 10,470    | 15,620    | 19,950    | 22,756    | 24,463    | 25,341    | 25,689    | 40,190        |
| Franklin.....  |                   | 476       | 3,561     | 5,908     | 8,124     | 9,418     | 10,285    | 10,734    | 10,992    | 9,125         |
| Fulton.....  | 6                 | 2,120     | 8,348     | 12,244    | 15,775    | 17,736    | 18,919    | 19,759    | 20,146    | 18,596        |
| Glascock.....  |                   | 306       | 941       | 1,443     | 1,912     | 2,304     | 2,635     | 2,729     | 2,812     |               |
| Gordon.....  |                   | 685       | 1,916     | 2,529     | 3,041     | 3,607     | 4,261     | 4,527     | 4,690     | 22,999        |
| Grady.....   | ( <sup>8</sup> )  | 846       | 5,180     | 8,583     | 11,350    | 14,153    | 15,400    | 15,916    | 16,216    | 2,937         |
| Greene.....  | 1,131             | 4,177     | 5,182     | 6,208     | 7,228     | 7,719     | 8,136     | 8,603     | 9,017     | 4,900         |
| Gwinnett.....  | 69                | 4,474     | 9,968     | 13,320    | 15,623    | 17,136    | 18,092    | 18,559    | 19,269    |               |
| Hall.....  | 3                 | 3,677     | 12,389    | 18,911    | 24,712    | 28,877    | 31,380    | 30,026    | 29,516    | 17,512        |
| Hancock.....   | ( <sup>9</sup> )  | 1,230     | 5,057     | 7,832     | 11,078    | 13,884    | 16,521    | 16,315    | 16,784    | 9,084         |
| Harrison.....  |                   |           |           |           |           |           |           |           |           | 19,748        |
| Harris.....  | 108               | 6,655     | 12,587    | 16,071    | 18,340    | 20,090    | 22,199    | 23,628    | 23,793    | 24,561        |
| Hart.....  | 73                | 645       | 3,753     | 6,868     | 9,598     | 11,358    | 12,312    | 13,260    | 13,686    | 14,771        |
| Heard.....   | 7                 | 7,504     | 15,434    | 20,086    | 23,039    | 25,176    | 27,444    | 28,773    | 29,309    | 23,741        |
| Henry.....   |                   | 3,182     | 8,915     | 11,661    | 13,941    | 15,346    | 16,102    | 16,771    | 17,048    | 18,384        |
| Houston.....   |                   | 2,605     | 6,705     | 9,568     | 12,078    | 13,703    | 14,922    | 15,595    | 15,851    | 16,349        |
| Irwin.....   | 42                | 6,455     | 14,730    | 20,153    | 24,569    | 27,186    | 29,233    | 30,188    | 30,649    | 32,026        |
| Jackson.....   | 1,525             | 10,236    | 15,762    | 18,899    | 21,032    | 22,801    | 25,085    | 25,855    | 26,199    | 26,626        |
| Jackson.....   | 2,632             | 8,994     | 12,586    | 15,142    | 16,670    | 18,737    | 20,013    | 20,659    | 21,370    | 22,049        |
| Jasper.....  | 20                | 5,945     | 16,055    | 23,091    | 29,235    | 32,702    | 35,064    | 35,664    | 36,339    | 37,029        |
| Jeff Davis.....  | 55                | 7,071     | 13,473    | 18,649    | 21,793    | 24,379    | 25,905    | 26,930    | 27,383    | 29,223        |
| Jefferson.....   |                   |           |           |           |           |           |           |           |           |               |
| Jenkins.....   | 488               | 1,904     | 2,796     | 3,565     | 4,112     | 4,453     | 4,737     | 4,994     | 5,121     | 5,243         |
| Johnson.....   | 1,690             | 11,024    | 18,974    | 23,106    | 25,619    | 28,257    | 29,921    | 31,119    | 31,783    | 33,011        |
| Jones.....   | 1,679             | 8,563     | 13,459    | 16,095    | 17,930    | 19,369    | 20,418    | 21,471    | 21,471    | 22,495        |
| Laurens.....   | 1,433             | 8,515     | 14,059    | 17,387    | 19,982    | 22,159    | 23,684    | 24,733    | 25,077    | 26,484        |
| Lee.....   | 164               | 4,771     | 8,458     | 11,211    | 13,009    | 14,304    | 15,419    | 16,304    | 16,510    | 16,887        |
| Lincoln.....   |                   |           |           |           |           |           |           |           |           |               |
| Lincoln.....   | 2,541             | 17,617    | 29,523    | 38,024    | 43,881    | 48,758    | 52,358    | 54,691    | 56,525    | 59,358        |
| Lowndes.....   | 2,367             | 7,498     | 10,960    | 13,362    | 14,997    | 16,143    | 17,114    | 17,534    | 17,768    | 17,954        |
| Lumpkin.....   | 24                | 2,030     | 4,624     | 6,045     | 7,613     | 8,471     | 9,422     | 9,861     | 9,944     | 10,548        |
| McDuffie.....  | 930               | 4,269     | 6,965     | 8,924     | 10,696    | 11,848    | 12,932    | 13,561    | 13,897    | 14,551        |
| McIntosh.....  |                   |           | 51        | 143       | 307       | 480       | 598       | 691       | 730       | 887           |
| Madison.....   | 78                | 3,422     | 6,185     | 7,645     | 8,760     | 9,793     | 10,498    | 10,968    | 11,175    | 11,567        |
| Marion.....  | 1,823             | 8,748     | 12,972    | 15,946    | 17,939    | 19,500    | 20,733    | 21,506    | 21,829    | 22,555        |
| Meriwether.....  | 16                | 3,870     | 10,574    | 14,467    | 17,813    | 19,676    | 20,830    | 21,527    | 21,831    | 22,845        |
| Newton.....  | 357               | 3,550     | 5,423     | 7,169     | 7,968     | 9,281     | 10,194    | 10,577    | 10,839    | 11,492        |
| Newton.....  | 107               | 10,140    | 19,748    | 26,835    | 31,672    | 34,593    | 36,410    | 37,333    | 37,756    | 39,338        |
| Bacon County organized from parts of Appling, Pierce, and Ware, Jan. 1, 1915.        |                   |           |           |           |           |           |           |           |           |               |
| Bullock County organized from parts of Gwinnett, Jackson, and Walton, Jan. 1, 1915.  |                   |           |           |           |           |           |           |           |           |               |
| Included in all other counties, to avoid disclosure of individual operations.        |                   |           |           |           |           |           |           |           |           |               |
| Candler County organized from parts of Bulloch, Emanuel, and Tattnall, Jan. 1, 1915. |                   |           |           |           |           |           |           |           |           |               |
| Evans County organized from parts of Bulloch and Tattnall, Jan. 1, 1915.             |                   |           |           |           |           |           |           |           |           |               |

<sup>1</sup> Bacon County organized from parts of Appling, Pierce, and Ware, Jan. 1, 1915.  
<sup>2</sup> Barrow County organized from parts of Gwinnett, Jackson, and Walton, Jan. 1, 1915.  
<sup>3</sup> Included in all other counties, to avoid disclosure of individual operations.

<sup>4</sup> Candler County organized from parts of Bulloch, Emanuel, and Tattnall, Jan. 1, 1915.  
<sup>5</sup> Evans County organized from parts of Bulloch and Tattnall, Jan. 1, 1915.

## COTTON PRODUCTION IN THE UNITED STATES.

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TABLE 18.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES:  
CROP OF 1914—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

| COUNTY.                       | COTTON GINNED TO-- |           |          |         |          |         |          |         |          | Total ginned. |
|-------------------------------|--------------------|-----------|----------|---------|----------|---------|----------|---------|----------|---------------|
|                               | Sept. 1.           | Sept. 25. | Oct. 18. | Nov. 1. | Nov. 14. | Dec. 1. | Dec. 13. | Jan. 1. | Jan. 16. |               |
| GEORGIA--Continued.           |                    |           |          |         |          |         |          |         |          |               |
| Miller.....                   | 720                | 2,937     | 4,484    | 5,300   | 5,985    | 6,440   | 6,704    | 7,179   | 7,356    | 7,588         |
| Milton.....                   | ( <sup>1</sup> )   | 755       | 3,363    | 5,062   | 6,442    | 7,432   | 7,927    | 8,196   | 8,282    | 8,768         |
| Mitchell.....                 | 7,202              | 18,338    | 24,014   | 28,364  | 31,171   | 33,149  | 35,133   | 36,129  | 36,464   | 37,885        |
| Monroe.....                   | 526                | 8,562     | 13,518   | 17,450  | 20,152   | 21,843  | 23,318   | 24,374  | 24,787   | 25,671        |
| Montgomery.....               | 883                | 5,279     | 9,281    | 11,436  | 13,514   | 15,302  | 16,505   | 17,334  | 17,852   | 19,089        |
| Morgan.....                   | 92                 | 7,675     | 15,234   | 20,592  | 24,667   | 27,245  | 28,183   | 28,972  | 29,300   | 32,021        |
| Murray.....                   | ( <sup>1</sup> )   | 178       | 1,253    | 2,040   | 2,600    | 3,374   | 3,499    | 3,818   | 3,967    | 4,391         |
| Muscogee.....                 | 335                | 3,547     | 6,431    | 7,889   | 8,756    | 9,639   | 10,272   | 11,031  | 11,221   | 11,456        |
| Newton.....                   | 113                | 6,984     | 13,970   | 18,735  | 22,309   | 24,156  | 25,250   | 25,851  | 26,272   | 28,417        |
| Oconee.....                   | 131                | 4,733     | 9,784    | 12,734  | 15,186   | 16,560  | 17,204   | 17,575  | 17,712   | 18,593        |
| Oglethorpe.....               | 10                 | 4,054     | 10,785   | 14,558  | 18,561   | 20,844  | 22,048   | 23,218  | 23,501   | 26,251        |
| Paulding.....                 | ( <sup>1</sup> )   | 1,473     | 5,683    | 8,556   | 11,003   | 12,715  | 13,901   | 14,300  | 14,568   | 15,546        |
| Pickens.....                  | 53                 | 830       | 1,320    | 2,071   | 2,637    | 2,978   | 3,095    | 3,273   | 3,486    | 3,486         |
| Pierce <sup>2</sup> .....     | 288                | 1,710     | 3,201    | 4,392   | 5,308    | 6,104   | 6,631    | 6,466   | 6,638    | 6,905         |
| Pike.....                     | 203                | 7,791     | 14,169   | 18,839  | 22,154   | 24,154  | 25,440   | 26,115  | 26,249   | 27,431        |
| Polk.....                     | ( <sup>1</sup> )   | 2,011     | 8,304    | 13,116  | 17,030   | 19,230  | 20,584   | 21,114  | 21,417   | 22,034        |
| Pulaski.....                  | 2,863              | 8,600     | 12,191   | 14,658  | 16,285   | 17,619  | 18,732   | 19,374  | 19,531   | 19,805        |
| Putnam.....                   | 35                 | 3,711     | 7,632    | 10,025  | 11,553   | 13,325  | 14,361   | 15,301  | 15,519   | 16,588        |
| Quitman.....                  | 336                | 1,817     | 2,981    | 3,641   | 4,058    | 4,280   | 4,693    | 4,987   | 5,147    | 5,245         |
| Randolph.....                 | 3,200              | 11,885    | 16,832   | 20,046  | 22,372   | 24,066  | 25,832   | 26,946  | 27,149   | 27,759        |
| Richmond.....                 | 649                | 4,341     | 7,104    | 8,741   | 9,659    | 10,319  | 11,008   | 11,384  | 11,676   | 12,238        |
| Rockdale.....                 | ( <sup>1</sup> )   | 2,244     | 5,329    | 7,391   | 9,003    | 9,976   | 10,786   | 11,178  | 11,415   | 12,255        |
| Schley.....                   | 351                | 2,560     | 4,524    | 5,756   | 6,728    | 7,637   | 8,410    | 8,917   | 9,107    | 9,465         |
| Screven.....                  | 2,296              | 13,067    | 21,424   | 26,059  | 29,505   | 31,880  | 34,066   | 35,585  | 36,354   | 38,380        |
| Spalding.....                 | 42                 | 4,786     | 9,705    | 13,235  | 16,093   | 17,794  | 18,809   | 19,800  | 20,477   | 22,476        |
| Stephens.....                 | ( <sup>1</sup> )   | 460       | 2,444    | 3,846   | 5,269    | 6,180   | 6,651    | 6,930   | 7,098    | 7,935         |
| Stewart.....                  | 863                | 6,168     | 10,532   | 13,173  | 14,857   | 16,116  | 17,513   | 18,343  | 18,669   | 19,377        |
| Sumter.....                   | 4,511              | 17,115    | 26,544   | 32,063  | 35,861   | 40,215  | 42,806   | 44,688  | 45,016   | 46,365        |
| Talbot.....                   | 113                | 3,755     | 6,839    | 8,949   | 10,672   | 11,828  | 12,697   | 13,545  | 13,788   | 14,114        |
| Taliaferro.....               | 46                 | 2,705     | 5,498    | 7,369   | 8,699    | 9,789   | 10,274   | 10,953  | 11,039   | 12,089        |
| Tattnall <sup>3,4</sup> ..... | 1,436              | 6,737     | 12,431   | 15,135  | 18,062   | 20,115  | 21,684   | 14,129  | 14,517   | 14,982        |
| Taylor.....                   | 251                | 4,918     | 7,009    | 9,960   | 11,300   | 12,681  | 14,315   | 15,463  | 15,698   | 16,117        |
| Telfair.....                  | 1,713              | 7,153     | 11,423   | 13,547  | 15,641   | 17,251  | 19,254   | 19,904  | 20,435   | 21,050        |
| Terrell.....                  | 4,149              | 15,802    | 23,725   | 29,674  | 32,977   | 35,167  | 36,940   | 37,832  | 38,043   | 38,473        |
| Thomas.....                   | 5,563              | 13,974    | 17,878   | 20,406  | 22,225   | 23,485  | 24,766   | 25,728  | 25,872   | 26,221        |
| Tift.....                     | 3,456              | 10,353    | 14,639   | 17,056  | 18,965   | 20,329  | 21,270   | 21,696  | 21,876   | 21,966        |
| Toombs.....                   | 553                | 4,030     | 7,286    | 9,504   | 11,130   | 12,396  | 13,316   | 14,084  | 14,322   | 14,965        |
| Troup.....                    | 244                | 9,135     | 18,028   | 23,202  | 26,681   | 29,089  | 30,444   | 31,810  | 32,465   | 33,620        |
| Turner.....                   | 2,400              | 12,221    | 16,751   | 19,833  | 22,499   | 24,442  | 25,391   | 25,934  | 26,098   | 26,419        |
| Twiggs.....                   | 317                | 4,164     | 6,875    | 8,988   | 10,513   | 11,796  | 12,699   | 13,393  | 13,583   | 13,940        |
| Upson.....                    | 118                | 4,190     | 7,735    | 10,565  | 12,018   | 14,117  | 15,231   | 16,127  | 16,544   | 17,062        |
| Walker.....                   | 392                | 3,077     | 5,269    | 7,332   | 8,865    | 9,626   | 10,286   | 9,888   | 10,150   | 10,988        |
| Walton <sup>5</sup> .....     | 72                 | 10,526    | 22,368   | 30,599  | 37,007   | 40,716  | 42,065   | 36,855  | 37,471   | 40,123        |
| Ware <sup>6</sup> .....       | ( <sup>1</sup> )   | 412       | 945      | 1,222   | 1,493    | 1,758   | 1,964    | 2,071   | 2,143    | 2,202         |
| Warren.....                   | 52                 | 3,420     | 7,026    | 9,021   | 10,676   | 12,369  | 13,627   | 14,401  | 14,742   | 15,542        |
| Washington.....               | 984                | 10,758    | 19,492   | 23,954  | 27,140   | 29,535  | 31,886   | 33,510  | 34,166   | 35,505        |
| Wayne.....                    | 222                | 1,724     | 3,328    | 4,175   | 4,901    | 5,548   | 6,167    | 6,623   | 6,870    | 7,013         |
| Webster.....                  | 295                | 2,043     | 3,416    | 4,085   | 4,671    | 5,063   | 5,599    | 6,001   | 6,037    | 6,075         |
| Wheeler.....                  | 362                | 2,237     | 4,209    | 5,440   | 6,494    | 7,393   | 8,007    | 8,443   | 8,844    | 9,191         |
| Whitfield.....                | 93                 | 1,928     | 3,448    | 5,235   | 6,561    | 7,194   | 7,472    | 7,658   | 7,658    | 8,260         |
| Wilcox.....                   | 5,263              | 14,521    | 19,132   | 23,206  | 25,827   | 28,139  | 29,855   | 30,130  | 30,949   | 31,406        |
| Wilkes.....                   | 91                 | 5,972     | 13,574   | 18,338  | 22,628   | 25,205  | 27,658   | 29,001  | 29,586   | 32,625        |
| Wilkinson.....                | 73                 | 2,043     | 5,138    | 6,882   | 7,861    | 9,031   | 9,786    | 10,412  | 10,730   | 11,014        |
| Worth.....                    | 5,466              | 14,555    | 20,339   | 24,258  | 26,697   | 28,840  | 30,810   | 31,599  | 31,720   | 31,866        |
| All other.....                | 118                | 256       | 1,461    | 5,099   | 5,635    | 6,673   | 11,079   | 11,600  | 12,111   | 15,330        |

## LOUISIANA.

| The state.....        | 3,783            | 94,119 | 225,274 | 297,356 | 341,251 | 382,093 | 415,278 | 427,243 | 434,608 | 452,251 |
|-----------------------|------------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| Acadia.....           | 177              | 2,751  | 5,550   | 6,874   | 7,922   | 8,834   | 9,620   | 9,929   | 10,246  | 10,539  |
| Avoyelles.....        | 680              | 9,912  | 17,336  | 21,009  | 21,411  | 22,171  | 22,299  | 22,413  | 22,441  | 22,707  |
| Bienville.....        | 33               | 3,501  | 8,815   | 11,148  | 12,409  | 13,589  | 14,144  | 14,313  | 14,455  | 14,646  |
| Bossier.....          | 20               | 5,133  | 14,462  | 19,031  | 21,837  | 24,005  | 24,986  | 25,254  | 25,414  | 26,093  |
| Caddo.....            | 50               | 8,261  | 19,906  | 25,643  | 29,556  | 32,978  | 35,125  | 35,762  | 36,391  | 38,483  |
| Caldwell.....         | 45               | 744    | 1,227   | 1,668   | 2,237   | 2,715   | 3,026   | 3,103   | 3,103   | 3,294   |
| Catahoula.....        | 1,098            | 3,201  | 4,419   | 5,407   | 6,465   | 7,344   | 7,540   | 7,600   | 7,600   | 7,971   |
| Claiborne.....        | 163              | 6,138  | 13,794  | 17,213  | 20,455  | 22,869  | 23,826  | 24,031  | 24,402  | 24,799  |
| Concordia.....        | ( <sup>1</sup> ) | 426    | 2,170   | 3,010   | 3,705   | 4,361   | 4,783   | 5,004   | 5,639   | 7,110   |
| De Soto.....          | 97               | 5,818  | 12,703  | 16,297  | 17,693  | 18,978  | 19,767  | 20,163  | 20,260  | 20,901  |
| East Baton Rouge..... | 278              | 1,400  | 3,025   | 3,338   | 3,468   | 3,665   | 3,784   | 3,834   | 3,877   | 3,918   |
| East Carroll.....     | ( <sup>1</sup> ) | 804    | 2,876   | 4,021   | 5,158   | 6,375   | 7,572   | 8,005   | 8,021   | 8,105   |
| East Feliciana.....   | 561              | 2,493  | 4,187   | 4,861   | 5,031   | 5,076   | 5,165   | 5,173   | 5,178   | 5,204   |
| Evangeline.....       | 533              | 4,265  | 7,878   | 9,119   | 9,791   | 9,965   | 10,248  | 10,335  | 10,521  | 10,564  |
| Franklin.....         | 23               | 4,001  | 9,045   | 11,626  | 13,511  | 15,518  | 16,530  | 16,944  | 17,050  | 17,683  |
| Grant.....            | ( <sup>1</sup> ) | 275    | 981     | 1,739   | 2,196   | 2,319   | 2,415   | 2,626   | 2,646   | 2,701   |
| Jackson.....          | 8                | 1,103  | 2,838   | 3,432   | 3,920   | 4,288   | 4,441   | 4,680   | 4,836   | 5,284   |
| Lafayette.....        | 125              | 3,371  | 7,138   | 9,227   | 10,669  | 11,057  | 12,589  | 13,105  | 13,464  | 13,657  |
| La Salle.....         | 28               | 110    | 211     | 307     | 464     | 527     | 551     | 600     | 600     | 642     |
| Lincoln.....          | 34               | 2,569  | 6,034   | 7,726   | 8,794   | 9,682   | 10,379  | 10,521  | 10,584  | 10,863  |

<sup>1</sup>Included in all other counties, to avoid disclosure of individual operations.<sup>2</sup>Bacon County organized from parts of Appling, Pierce, and Ware, Jan. 1, 1915.<sup>3</sup>Candler County organized from parts of Bulloch, Emanuel, and Tattnall, Jan. 1, 1915.<sup>4</sup>Evans County organized from parts of Bulloch and Tattnall, Jan. 1, 1915.<sup>5</sup>Barrow County organized from parts of Gwinnett, Jackson, and Walton, Jan. 1, 1915.

## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 18.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES:  
CROP OF 1914—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

| COUNTY.              | COTTON GINNED TO— |           |          |         |          |         |          |           |           | Total ginned. |           |
|----------------------|-------------------|-----------|----------|---------|----------|---------|----------|-----------|-----------|---------------|-----------|
|                      | Sept. 1.          | Sept. 25. | Oct. 18. | Nov. 1. | Nov. 14. | Dec. 1. | Dec. 13. | Jan. 1.   | Jan. 16.  |               |           |
| LOUISIANA—Continued. |                   |           |          |         |          |         |          |           |           |               |           |
| Madison.....         |                   | 46        | 201      | 905     | 1,725    | 2,883   | 3,780    | 4,260     | 4,304     | 4,637         |           |
| Morehouse.....       | (1)               | 1,668     | 6,114    | 8,409   | 10,081   | 12,549  | 15,209   | 15,982    | 16,296    | 17,168        |           |
| Natchitoches.....    | 103               | 4,191     | 11,185   | 14,792  | 16,928   | 18,599  | 19,057   | 19,351    | 19,392    | 19,842        |           |
| Ouachita.....        | 14                | 1,342     | 3,821    | 5,379   | 6,331    | 7,588   | 8,665    | 9,946     | 10,572    | 11,022        |           |
| Rapides.....         | 51                | 3,271     | 7,915    | 9,039   | 10,367   | 11,176  | 11,633   | 11,894    | 11,894    | 12,015        |           |
| Red River.....       |                   | 2,729     | 7,124    | 9,854   | 11,536   | 13,101  | 13,992   | 14,070    | 14,093    | 14,372        |           |
| Richland.....        | 63                | 2,939     | 8,951    | 11,641  | 14,136   | 16,331  | 18,372   | 19,150    | 19,302    | 19,634        |           |
| Sabine.....          | 27                | 1,090     | 3,929    | 5,506   | 6,270    | 7,252   | 7,827    | 8,022     | 8,247     | 8,517         |           |
| St. Landry.....      | 489               | 6,969     | 13,362   | 16,528  | 19,073   | 20,289  | 21,616   | 22,100    | 22,190    | 22,659        |           |
| Tensas.....          |                   | 616       | 1,495    | 2,559   | 3,605    | 5,807   | 7,653    | 8,513     | 9,037     | 9,790         |           |
| Union.....           | 25                | 1,532     | 4,688    | 6,716   | 8,528    | 9,640   | 11,185   | 11,514    | 11,779    | 12,192        |           |
| Webster.....         | 4                 | 1,523     | 5,230    | 7,557   | 9,372    | 10,958  | 11,745   | 12,229    | 12,529    | 13,222        |           |
| West Carroll.....    | (1)               | 862       | 2,677    | 3,815   | 4,649    | 5,350   | 5,733    | 5,820     | 5,865     | 5,887         |           |
| Winn.....            | (1)               | 102       | 1,361    | 1,926   | 2,240    | 2,568   | 2,805    | 2,890     | 3,075     | 3,215         |           |
| All other.....       | 225               | 1,778     | 4,428    | 10,929  | 12,102   | 13,056  | 17,742   | 18,323    | 19,245    | 22,920        |           |
| MISSISSIPPI.         |                   |           |          |         |          |         |          |           |           |               |           |
| The state.....       |                   | 2,689     | 163,238  | 474,783 | 669,143  | 838,349 | 987,031  | 1,082,816 | 1,115,599 | 1,143,787     | 1,217,883 |
| Alcorn.....          | (1)               | 739       | 3,974    | 6,825   | 9,303    | 11,277  | 12,140   | 12,442    | 12,720    | 13,379        |           |
| Amite.....           |                   | 448       | 1,544    | 1,926   | 2,013    | 2,388   | 2,633    | 2,752     | 2,784     | 2,846         |           |
| Attala.....          | 12                | 1,269     | 3,826    | 5,247   | 6,463    | 8,034   | 8,899    | 9,309     | 9,637     | 9,978         |           |
| Benton.....          |                   | 560       | 2,780    | 4,708   | 6,492    | 8,004   | 8,730    | 8,983     | 9,252     | 9,787         |           |
| Bolivar.....         | 6                 | 12,001    | 44,074   | 61,788  | 75,087   | 87,127  | 94,454   | 95,855    | 97,429    | 107,485       |           |
| Calhoun.....         | 4                 | 1,016     | 2,960    | 4,688   | 6,850    | 8,984   | 9,990    | 10,260    | 10,554    | 11,134        |           |
| Carroll.....         | (1)               | 2,048     | 6,320    | 8,430   | 10,605   | 12,964  | 14,383   | 14,741    | 15,088    | 15,287        |           |
| Chickasaw.....       | 23                | 3,246     | 6,393    | 9,387   | 12,365   | 14,595  | 15,582   | 16,144    | 16,327    | 16,925        |           |
| Choctaw.....         | 9                 | 674       | 1,791    | 2,465   | 3,209    | 3,715   | 4,077    | 4,151     | 4,270     | 4,477         |           |
| Claborne.....        | (1)               | 616       | 2,385    | 2,643   | 3,296    | 3,944   | 4,594    | 4,737     | 4,806     | 4,896         |           |
| Clay.....            | 36                | 2,182     | 4,667    | 6,652   | 8,578    | 10,154  | 10,822   | 11,016    | 11,065    | 11,241        |           |
| Coahoma.....         | (1)               | 5,335     | 24,224   | 38,464  | 51,567   | 61,795  | 68,583   | 71,152    | 74,106    | 87,510        |           |
| Copiah.....          | 38                | 854       | 1,890    | 2,459   | 2,740    | 3,253   | 3,656    | 3,727     | 3,804     | 3,855         |           |
| Covington.....       | 77                | 772       | 1,525    | 1,921   | 2,095    | 2,317   | 2,558    | 2,725     | 2,800     | 2,895         |           |
| De Soto.....         | 8                 | 3,444     | 11,846   | 16,504  | 20,588   | 23,548  | 25,249   | 26,107    | 27,467    | 30,308        |           |
| Granada.....         | (1)               | 984       | 4,062    | 6,020   | 7,384    | 9,931   | 11,109   | 11,287    | 11,424    | 11,681        |           |
| Hinds.....           | 39                | 5,541     | 12,697   | 15,721  | 17,365   | 19,024  | 20,777   | 21,113    | 21,261    | 21,391        |           |
| Holmes.....          | 110               | 6,708     | 15,871   | 20,933  | 24,991   | 28,623  | 30,756   | 32,050    | 32,971    | 32,778        |           |
| Issaquena.....       |                   | 108       | 528      | 1,059   | 1,948    | 3,251   | 4,653    | 5,518     | 5,824     | 6,165         |           |
| Itawamba.....        |                   | 1,743     | 4,388    | 6,299   | 8,160    | 9,597   | 10,356   | 10,602    | 10,913    | 11,325        |           |
| Jasper.....          | 45                | 847       | 1,677    | 2,316   | 2,717    | 3,110   | 3,367    | 3,487     | 3,559     | 3,609         |           |
| Jefferson.....       | 51                | 419       | 1,414    | 1,814   | 2,172    | 2,543   | 3,013    | 3,338     | 3,549     | 3,740         |           |
| Jefferson Davis..... | 92                | 1,812     | 3,235    | 3,824   | 4,119    | 4,479   | 4,722    | 4,973     | 4,988     | 5,049         |           |
| Jones.....           | 143               | 1,333     | 2,526    | 3,077   | 3,371    | 3,671   | 4,026    | 4,277     | 4,459     | 4,727         |           |
| Kemper.....          | 41                | 1,598     | 3,049    | 5,115   | 6,422    | 7,842   | 8,385    | 8,865     | 9,067     | 9,451         |           |
| Lafayette.....       | 4                 | 817       | 3,803    | 6,099   | 8,722    | 11,143  | 12,563   | 13,095    | 13,677    | 14,599        |           |
| Lauderdale.....      | 33                | 683       | 1,760    | 2,480   | 2,877    | 3,460   | 3,852    | 4,212     | 4,272     | 4,640         |           |
| Lawrence.....        | 65                | 1,595     | 3,147    | 3,690   | 3,984    | 4,431   | 4,826    | 4,911     | 4,970     | 5,020         |           |
| Leake.....           | 17                | 1,179     | 2,833    | 3,754   | 4,396    | 5,312   | 5,888    | 6,227     | 6,448     | 6,792         |           |
| Lee.....             | 41                | 5,562     | 12,205   | 17,112  | 20,895   | 23,394  | 24,663   | 25,061    | 25,341    | 25,934        |           |
| Leflore.....         | 62                | 8,950     | 23,330   | 31,550  | 39,820   | 45,358  | 51,010   | 51,984    | 53,258    | 55,331        |           |
| Lincoln.....         | 115               | 656       | 4,431    | 5,270   | 5,563    | 6,580   | 7,149    | 7,341     | 7,475     | 7,629         |           |
| Lowndes.....         | 34                | 2,676     | 6,663    | 8,980   | 11,550   | 15,660  | 18,207   | 19,293    | 19,670    | 20,877        |           |
| Madison.....         | 91                | 5,533     | 11,885   | 14,471  | 16,281   | 17,665  | 18,108   | 18,153    | 18,194    | 18,229        |           |
| Marshall.....        | 4                 | 1,918     | 8,641    | 13,002  | 17,430   | 21,304  | 23,065   | 23,983    | 24,884    | 26,270        |           |
| Monroe.....          | 115               | 5,552     | 11,703   | 16,568  | 20,759   | 24,459  | 26,569   | 27,380    | 27,969    | 29,045        |           |
| Montgomery.....      | (1)               | 841       | 3,148    | 4,500   | 6,172    | 8,049   | 9,262    | 9,605     | 9,815     | 10,667        |           |
| Neshoba.....         | (1)               | 406       | 1,205    | 1,916   | 2,424    | 3,122   | 3,658    | 4,189     | 4,359     | 4,991         |           |
| Newton.....          | 5                 | 238       | 824      | 1,165   | 1,463    | 1,847   | 2,217    | 2,396     | 2,574     | 2,714         |           |
| Noxubee.....         | 138               | 3,191     | 6,488    | 9,134   | 12,001   | 14,643  | 16,835   | 17,749    | 18,072    | 18,806        |           |
| Oktibbeha.....       | 42                | 1,592     | 3,211    | 4,741   | 6,255    | 7,469   | 8,016    | 8,194     | 8,333     | 8,556         |           |
| Panola.....          | (1)               | 3,710     | 13,225   | 18,726  | 24,286   | 28,807  | 31,790   | 32,796    | 33,601    | 34,846        |           |
| Pike.....            | 309               | 2,167     | 3,587    | 4,184   | 4,571    | 4,832   | 5,155    | 5,320     | 5,343     | 5,383         |           |
| Pontotoc.....        | 16                | 3,603     | 8,563    | 12,182  | 15,249   | 17,459  | 18,848   | 18,619    | 18,879    | 19,444        |           |
| Prentiss.....        | 11                | 2,261     | 6,537    | 9,688   | 12,373   | 14,317  | 15,272   | 15,533    | 15,917    | 16,627        |           |
| Quitman.....         |                   | 926       | 6,758    | 10,818  | 14,108   | 16,555  | 18,164   | 18,599    | 19,025    | 20,797        |           |
| Rankin.....          | (1)               | 291       | 1,155    | 1,677   | 1,952    | 2,333   | 2,681    | 2,810     | 2,917     | 2,990         |           |
| Sharkey.....         |                   | 1,091     | 5,280    | 8,294   | 11,215   | 14,540  | 16,644   | 17,401    | 17,906    | 17,914        |           |
| Simpson.....         | 80                | 1,348     | 2,597    | 3,268   | 3,595    | 4,109   | 4,505    | 4,623     | 4,662     | 4,679         |           |
| Smith.....           | 63                | 1,095     | 2,140    | 2,539   | 2,786    | 3,122   | 3,322    | 3,494     | 3,605     | 3,699         |           |
| Sunflower.....       | 69                | 12,163    | 33,649   | 46,735  | 57,310   | 65,196  | 70,212   | 71,794    | 73,275    | 78,064        |           |
| Tallahatchie.....    |                   | 3,613     | 15,928   | 23,260  | 30,392   | 36,874  | 41,207   | 43,231    | 45,464    | 50,203        |           |
| Tate.....            | 4                 | 2,910     | 10,016   | 14,000  | 17,186   | 19,531  | 20,973   | 21,747    | 22,259    | 23,406        |           |
| Tippah.....          |                   | 603       | 3,684    | 6,297   | 8,478    | 10,556  | 11,250   | 11,488    | 11,796    | 12,720        |           |
| Tishomingo.....      | (1)               | 861       | 3,557    | 5,753   | 7,688    | 9,156   | 9,921    | 10,142    | 10,407    | 10,895        |           |
| Tunica.....          | 14                | 2,409     | 10,633   | 16,081  | 21,014   | 25,259  | 28,120   | 28,703    | 30,134    | 37,679        |           |
| Union.....           | (1)               | 2,502     | 6,441    | 9,204   | 11,853   | 13,319  | 14,053   | 14,161    | 14,365    | 14,973        |           |
| Walthall.....        | 207               | 1,448     | 2,160    | 2,519   | 2,700    | 2,933   | 3,221    | 3,350     | 3,412     | 3,454         |           |
| Warren.....          | (1)               | 745       | 2,625    | 4,128   | 5,139    | 6,545   | 7,864    | 8,418     | 8,630     | 9,130         |           |
| Washington.....      | 32                | 11,893    | 30,768   | 41,763  | 51,735   | 59,858  | 65,229   | 66,557    | 67,628    | 68,966        |           |
| Wayne.....           | 68                | 738       | 1,422    | 1,902   | 2,234    | 2,640   | 2,966    | 3,052     | 3,155     | 3,385         |           |
| Webster.....         | (1)               | 1,084     | 2,974    | 4,642   | 6,268    | 7,736   | 8,444    | 8,603     | 8,949     | 9,283         |           |
| Winston.....         | 17                | 474       | 1,400    | 2,283   | 2,991    | 3,914   | 4,603    | 4,842     | 5,082     | 5,484         |           |
| Yalobusha.....       | (1)               | 1,140     | 5,021    | 7,555   | 9,935    | 12,963  | 14,489   | 14,891    | 15,271    | 15,842        |           |
| Yazoo.....           | 29                | 4,734     | 13,749   | 18,397  | 22,983   | 26,180  | 28,496   | 28,939    | 29,665    | 31,344        |           |
| All other.....       | 240               | 1,883     | 4,496    | 8,226   | 8,746    | 10,161  | 12,481   | 13,098    | 13,605    | 14,688        |           |

<sup>1</sup> Included in all other counties, to avoid disclosure of individual operations.

TABLE 18.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES:  
CROP OF 1914—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

| COUNTY.          | COTTON GINNED TO— |           |          |         |          |         |          |         |          |         | Total<br>ginned. |
|------------------|-------------------|-----------|----------|---------|----------|---------|----------|---------|----------|---------|------------------|
|                  | Sept. 1.          | Sept. 25. | Oct. 18. | Nov. 1. | Nov. 14. | Dec. 1. | Dec. 13. | Jan. 1. | Jan. 16. |         |                  |
| MISSOURI.        |                   |           |          |         |          |         |          |         |          |         |                  |
| The state.....   |                   | 4,288     | 22,903   | 36,436  | 51,230   | 61,108  | 64,783   | 66,728  | 72,335   | 78,409  |                  |
| Dunklin.....     |                   | 1,639     | 10,532   | 16,706  | 23,187   | 27,977  | 29,316   | 29,999  | 32,025   | 35,303  |                  |
| New Madrid.....  |                   | 649       | 3,280    | 5,243   | 7,795    | 9,029   | 9,410    | 9,789   | 10,773   | 11,521  |                  |
| Pemiscot.....    |                   | 1,553     | 7,429    | 11,708  | 16,049   | 18,836  | 19,095   | 20,282  | 22,008   | 23,629  |                  |
| Stoddard.....    |                   | 136       | 999      | 1,482   | 2,223    | 2,610   | 2,948    | 3,128   | 3,215    | 3,956   |                  |
| All other.....   |                   | 11        | 663      | 1,297   | 2,021    | 2,656   | 3,411    | 3,530   | 3,681    | 4,000   |                  |
| NORTH CAROLINA.  |                   |           |          |         |          |         |          |         |          |         |                  |
| The state.....   | 968               | 84,517    | 301,108  | 427,949 | 556,175  | 674,340 | 766,445  | 814,644 | 855,367  | 970,479 |                  |
| Alexander.....   |                   | (1)       | 264      | 439     | 757      | 1,241   | 1,510    | 1,609   | 1,755    | 2,214   |                  |
| Anson.....       | 105               | 4,849     | 11,358   | 14,766  | 18,137   | 20,471  | 22,446   | 23,110  | 23,400   | 26,466  |                  |
| Beaufort.....    |                   | 377       | 2,597    | 4,310   | 5,992    | 7,863   | 9,293    | 10,478  | 10,897   | 13,621  |                  |
| Bertie.....      |                   | 858       | 2,610    | 3,736   | 5,470    | 7,442   | 9,639    | 10,501  | 11,611   | 13,829  |                  |
| Bladen.....      | 10                | 1,274     | 3,975    | 5,399   | 6,766    | 8,013   | 9,202    | 9,974   | 10,570   | 11,897  |                  |
| Cabarrus.....    | 5                 | 1,253     | 5,296    | 7,447   | 9,323    | 10,663  | 11,583   | 11,972  | 12,263   | 13,137  |                  |
| Camden.....      |                   | 69        | 1,275    | 2,383   | 3,074    | 3,618   | 3,994    | 4,196   | 4,311    | 4,520   |                  |
| Catawba.....     | (1)               | 174       | 1,782    | 2,990   | 4,771    | 6,687   | 7,717    | 8,408   | 8,865    | 9,958   |                  |
| Chatham.....     |                   | 149       | 2,218    | 3,550   | 4,885    | 6,059   | 6,810    | 7,162   | 7,444    | 8,437   |                  |
| Chowan.....      |                   | 335       | 1,891    | 2,676   | 3,641    | 4,232   | 4,783    | 5,139   | 5,309    | 5,712   |                  |
| Cleveland.....   | (1)               | 1,729     | 8,634    | 12,797  | 16,588   | 19,938  | 21,828   | 22,836  | 23,344   | 24,584  |                  |
| Columbus.....    |                   | 816       | 3,703    | 5,269   | 6,757    | 8,311   | 9,459    | 10,361  | 10,957   | 11,841  |                  |
| Craven.....      |                   | 134       | 1,167    | 2,105   | 3,213    | 4,305   | 5,112    | 5,681   | 6,192    | 7,642   |                  |
| Cumberland.....  | 49                | 4,147     | 11,242   | 14,830  | 17,935   | 20,328  | 22,077   | 23,155  | 24,001   | 25,519  |                  |
| Davidson.....    | (1)               | 39        | 256      | 449     | 733      | 1,088   | 1,282    | 1,490   | 1,589    | 1,919   |                  |
| Davie.....       |                   | (1)       | 140      | 234     | 491      | 760     | 1,012    | 1,258   | 1,486    | 1,759   |                  |
| Duplin.....      | (1)               | 1,179     | 4,302    | 5,655   | 7,117    | 8,504   | 10,083   | 11,077  | 11,900   | 13,394  |                  |
| Durham.....      |                   | (1)       | 176      | 306     | 467      | 567     | 777      | 814     | 864      | 1,044   |                  |
| Edgecombe.....   | (1)               | 1,489     | 7,235    | 9,926   | 13,967   | 18,454  | 22,267   | 24,267  | 25,837   | 29,632  |                  |
| Franklin.....    |                   | 269       | 3,625    | 5,968   | 8,444    | 10,729  | 11,964   | 12,710  | 12,939   | 14,352  |                  |
| Gaston.....      | (1)               | 397       | 2,673    | 4,138   | 5,414    | 6,834   | 7,878    | 8,340   | 8,630    | 9,920   |                  |
| Gates.....       |                   | 140       | 1,123    | 1,924   | 2,780    | 3,862   | 4,796    | 5,002   | 5,442    | 6,363   |                  |
| Greene.....      |                   | 380       | 2,461    | 3,657   | 5,372    | 6,701   | 7,886    | 8,713   | 9,059    | 13,170  |                  |
| Halifax.....     |                   | 1,039     | 7,091    | 12,588  | 18,252   | 22,543  | 26,640   | 27,806  | 29,171   | 32,491  |                  |
| Harnett.....     | 99                | 5,088     | 12,428   | 15,551  | 18,121   | 20,461  | 21,732   | 22,632  | 23,149   | 24,083  |                  |
| Hertford.....    |                   | 43        | 791      | 1,329   | 2,146    | 3,104   | 4,129    | 4,584   | 5,125    | 6,086   |                  |
| Hoke.....        | 70                | 3,655     | 7,705    | 10,432  | 12,151   | 13,499  | 14,188   | 14,607  | 15,139   | 16,457  |                  |
| Iredell.....     |                   | 272       | 2,642    | 4,115   | 6,135    | 7,978   | 9,109    | 9,015   | 10,035   | 11,921  |                  |
| Johnston.....    | (1)               | 6,223     | 19,848   | 26,078  | 31,987   | 38,330  | 43,748   | 46,651  | 49,312   | 54,030  |                  |
| Jones.....       |                   | 252       | 1,882    | 2,699   | 3,782    | 4,872   | 5,923    | 6,543   | 7,115    | 8,406   |                  |
| Lee.....         | (1)               | 795       | 2,945    | 4,101   | 5,039    | 6,095   | 6,812    | 7,131   | 7,416    | 7,943   |                  |
| Lenoir.....      |                   | 967       | 3,295    | 5,038   | 7,136    | 9,090   | 10,750   | 11,865  | 12,990   | 15,754  |                  |
| Lincoln.....     |                   | 205       | 2,299    | 3,513   | 4,930    | 6,151   | 7,143    | 7,635   | 8,014    | 8,782   |                  |
| Martin.....      |                   | 339       | 1,897    | 2,749   | 4,258    | 5,880   | 7,824    | 8,811   | 9,589    | 11,668  |                  |
| Mecklenburg..... | (1)               | 1,309     | 8,040    | 12,460  | 17,240   | 19,936  | 21,351   | 22,163  | 22,547   | 27,027  |                  |
| Montgomery.....  | (1)               | 330       | 1,607    | 2,230   | 2,954    | 3,818   | 4,449    | 4,799   | 5,044    | 5,757   |                  |
| Moore.....       | (1)               | 220       | 1,164    | 1,829   | 2,425    | 3,039   | 3,498    | 3,644   | 3,822    | 4,129   |                  |
| Nash.....        |                   | 505       | 5,405    | 9,590   | 13,951   | 18,971  | 22,828   | 24,470  | 26,147   | 30,656  |                  |
| Northampton..... |                   | 1,111     | 5,002    | 7,783   | 10,245   | 13,298  | 15,628   | 16,387  | 17,099   | 18,965  |                  |
| Onslow.....      |                   | 302       | 1,552    | 2,049   | 2,888    | 3,863   | 4,820    | 5,287   | 5,766    | 6,908   |                  |
| Orange.....      |                   |           | 132      | 302     | 515      | 738     | 901      | 984     | 1,062    | 1,466   |                  |
| Pamlico.....     |                   | 305       | 2,027    | 3,010   | 4,110    | 5,130   | 5,833    | 6,138   | 6,622    | 7,736   |                  |
| Pasquotank.....  |                   | 37        | 1,593    | 2,835   | 4,162    | 5,144   | 5,885    | 6,410   | 6,658    | 7,365   |                  |
| Perquimans.....  |                   | 250       | 2,390    | 3,829   | 5,525    | 6,445   | 7,473    | 7,870   | 7,995    | 8,713   |                  |
| Pitt.....        |                   | 601       | 3,630    | 5,827   | 9,180    | 12,971  | 16,600   | 19,235  | 21,920   | 26,268  |                  |
| Polk.....        |                   | 98        | 516      | 791     | 1,023    | 1,068   | 1,266    | 1,396   | 1,465    | 1,510   |                  |
| Richmond.....    |                   | 3,482     | 8,152    | 10,531  | 12,896   | 14,461  | 15,515   | 15,996  | 16,312   | 17,867  |                  |
| Robeson.....     | 172               | 12,514    | 30,984   | 40,612  | 49,145   | 55,636  | 60,139   | 63,197  | 66,094   | 74,141  |                  |
| Rowan.....       |                   | 513       | 2,873    | 3,911   | 5,249    | 6,040   | 7,370    | 7,690   | 7,832    | 8,793   |                  |
| Rutherford.....  | (1)               | 1,188     | 5,057    | 6,741   | 8,418    | 9,838   | 10,595   | 11,122  | 11,361   | 12,090  |                  |
| Sampson.....     | 4                 | 4,088     | 11,549   | 14,915  | 16,981   | 20,693  | 23,196   | 24,490  | 25,766   | 28,562  |                  |
| Scotland.....    | 283               | 9,450     | 17,714   | 23,134  | 27,201   | 30,130  | 30,950   | 32,009  | 33,252   | 38,154  |                  |
| Stanly.....      |                   | 314       | 2,749    | 3,776   | 4,842    | 6,529   | 7,748    | 8,352   | 8,676    | 9,607   |                  |
| Union.....       | (1)               | 2,027     | 10,780   | 15,597  | 19,911   | 23,494  | 25,463   | 26,601  | 27,180   | 31,171  |                  |
| Vance.....       |                   | 29        | 960      | 1,727   | 2,358    | 2,907   | 3,244    | 3,371   | 3,416    | 3,430   |                  |
| Wake.....        | (1)               | 2,160     | 10,248   | 14,493  | 18,675   | 22,372  | 25,047   | 26,003  | 26,690   | 29,367  |                  |
| Warren.....      |                   | 157       | 3,105    | 5,584   | 7,678    | 9,117   | 9,762    | 10,175  | 10,323   | 10,878  |                  |
| Washington.....  |                   | 126       | 1,076    | 1,385   | 2,029    | 2,622   | 3,242    | 3,442   | 3,618    | 3,931   |                  |
| Wayne.....       |                   | 2,878     | 11,325   | 16,542  | 21,731   | 26,264  | 30,625   | 33,424  | 35,764   | 40,653  |                  |
| Wilson.....      |                   | 1,976     | 7,495    | 10,237  | 14,767   | 18,728  | 22,241   | 23,887  | 25,829   | 28,488  |                  |
| All other.....   | 49                | 112       | 1,157    | 3,094   | 4,087    | 5,725   | 9,440    | 9,966   | 10,484   | 14,190  |                  |

1 Included in all other counties, to avoid disclosure of individual operations.

## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 18.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES:  
CROP OF 1914—Continued.

(Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.)

| COUNTY.           | COTTON GINNED TO— |           |          |         |          |           |           |           |           | Total ginned. |
|-------------------|-------------------|-----------|----------|---------|----------|-----------|-----------|-----------|-----------|---------------|
|                   | Sept. 1.          | Sept. 25. | Oct. 18. | Nov. 1. | Nov. 14. | Dec. 1.   | Dec. 13.  | Jan. 1.   | Jan. 16.  |               |
| OKLAHOMA.         |                   |           |          |         |          |           |           |           |           |               |
| The state.....    | 238               | 104,154   | 451,449  | 659,367 | 870,672  | 1,018,796 | 1,069,018 | 1,094,320 | 1,147,481 | 1,232,638     |
| Adair.....        |                   | 10        | 236      | 506     | 961      | 1,065     | 1,189     | 1,240     | 1,340     | 1,357         |
| Carter.....       | 4                 | 933       | 4,009    | 6,849   | 8,320    | 9,263     | 9,667     | 9,958     | 10,359    | 10,619        |
| Beckham.....      | 4                 | 2,227     | 11,165   | 15,790  | 21,440   | 25,892    | 27,374    | 28,090    | 29,681    | 33,389        |
| Bryan.....        | 5                 | 2,788     | 11,833   | 15,643  | 19,323   | 20,791    | 21,547    | 21,936    | 22,277    | 23,701        |
| Caddo.....        |                   | 1,084     | 10,582   | 15,763  | 21,628   | 26,142    | 27,487    | 28,060    | 30,085    | 33,349        |
| Canadian.....     |                   |           | 401      | 689     | 967      | 1,210     | 1,299     | 1,342     | 1,437     | 1,488         |
| Carter.....       | (1)               | 2,342     | 11,067   | 15,335  | 19,161   | 20,651    | 21,685    | 22,280    | 23,126    | 24,567        |
| Cherokee.....     |                   | 80        | 1,062    | 3,155   | 5,363    | 6,339     | 7,029     | 7,070     | 7,090     | 7,200         |
| Choctaw.....      | 8                 | 2,187     | 9,156    | 12,036  | 14,027   | 15,042    | 15,302    | 15,406    | 15,504    | 15,877        |
| Cleveland.....    | (1)               | 2,410     | 8,793    | 12,268  | 15,893   | 17,911    | 18,628    | 18,781    | 19,241    | 19,662        |
| Coal.....         | 3                 | 536       | 2,738    | 4,316   | 5,762    | 6,419     | 6,654     | 6,965     | 7,111     | 7,047         |
| Comanche.....     | 6                 | 1,898     | 9,890    | 13,847  | 17,865   | 21,055    | 22,065    | 22,664    | 24,260    | 25,635        |
| Cotton.....       | 14                | 2,224     | 10,013   | 13,934  | 17,214   | 19,653    | 20,499    | 20,990    | 22,252    | 23,598        |
| Creek.....        | (1)               | 2,488     | 8,788    | 13,491  | 17,743   | 21,516    | 22,859    | 23,396    | 24,543    | 26,580        |
| Custer.....       |                   | 520       | 1,225    | 1,733   | 2,232    | 2,656     | 2,720     | 2,797     | 2,853     | 3,180         |
| Garvin.....       | (1)               | 3,908     | 15,024   | 21,677  | 28,742   | 33,482    | 34,948    | 35,725    | 37,802    | 40,107        |
| Grady.....        |                   | 1,042     | 7,563    | 11,042  | 15,390   | 18,834    | 19,986    | 20,336    | 22,020    | 23,717        |
| Greer.....        | 5                 | 2,880     | 12,622   | 17,855  | 24,437   | 29,056    | 30,842    | 32,362    | 35,025    | 41,007        |
| Harmon.....       | (1)               | 1,781     | 8,814    | 11,348  | 16,075   | 20,566    | 22,379    | 23,276    | 25,589    | 28,044        |
| Haskell.....      | 4                 | 1,501     | 6,478    | 9,862   | 13,584   | 16,476    | 18,555    | 19,064    | 19,522    | 17,004        |
| Hughes.....       | 13                | 4,433     | 14,380   | 21,552  | 27,494   | 31,464    | 33,121    | 33,554    | 34,585    | 35,632        |
| Jackson.....      | 5                 | 2,908     | 16,584   | 23,964  | 33,207   | 41,176    | 44,125    | 45,644    | 49,290    | 57,376        |
| Jefferson.....    | 16                | 2,917     | 11,952   | 16,531  | 21,352   | 24,645    | 25,886    | 26,683    | 28,331    | 31,526        |
| Johnston.....     | 7                 | 1,839     | 8,469    | 12,558  | 15,446   | 17,209    | 17,969    | 18,679    | 19,663    | 20,780        |
| Kingfisher.....   |                   | 133       | 1,308    | 2,184   | 2,974    | 4,034     | 4,236     | 4,399     | 4,577     | 4,926         |
| Kiowa.....        | 4                 | 3,444     | 16,639   | 23,756  | 31,235   | 37,571    | 39,333    | 40,155    | 42,609    | 48,127        |
| Latimer.....      | (1)               | 175       | 734      | 1,082   | 1,412    | 1,761     | 1,778     | 1,802     | 1,802     | 1,831         |
| Le Flore.....     | 14                | 3,531     | 10,540   | 14,936  | 19,696   | 22,260    | 22,801    | 22,954    | 23,281    | 23,586        |
| Lincoln.....      | (1)               | 4,009     | 15,679   | 23,883  | 32,364   | 38,438    | 40,425    | 41,465    | 43,681    | 47,183        |
| Logan.....        | (1)               | 1,062     | 5,571    | 8,075   | 12,032   | 16,057    | 17,402    | 17,920    | 19,024    | 20,828        |
| Love.....         | 9                 | 1,763     | 8,016    | 11,527  | 14,847   | 16,701    | 17,299    | 17,762    | 18,882    | 20,535        |
| McClain.....      | (1)               | 1,934     | 7,773    | 11,394  | 15,090   | 17,569    | 18,280    | 18,558    | 19,281    | 20,336        |
| McCurtain.....    |                   | 1,603     | 6,407    | 8,832   | 10,227   | 11,342    | 11,650    | 11,953    | 12,046    | 12,152        |
| McIntosh.....     |                   | 4,505     | 13,752   | 19,647  | 25,670   | 30,352    | 31,255    | 31,927    | 32,964    | 33,726        |
| Marshall.....     | (1)               | 1,706     | 7,128    | 10,378  | 12,764   | 13,952    | 14,522    | 14,887    | 15,428    | 16,071        |
| Mayes.....        |                   |           | 893      | 1,912   | 2,634    | 3,460     | 4,011     | 4,210     | 4,296     | 4,975         |
| Murray.....       | (1)               | 995       | 3,973    | 5,904   | 7,480    | 8,574     | 8,852     | 9,061     | 9,621     | 10,212        |
| Muskogee.....     | 7                 | 2,615     | 11,036   | 16,824  | 22,983   | 27,515    | 29,089    | 29,614    | 30,776    | 33,051        |
| Okfuskee.....     | (1)               | 3,867     | 12,638   | 18,889  | 24,005   | 27,773    | 28,647    | 29,033    | 30,409    | 32,035        |
| Oklahoma.....     |                   | 1,331     | 6,908    | 8,464   | 11,336   | 13,614    | 14,338    | 14,617    | 15,237    | 16,080        |
| Oklmulgee.....    | (1)               | 1,262     | 4,602    | 6,961   | 9,231    | 10,857    | 11,437    | 11,651    | 12,037    | 12,583        |
| Osage.....        |                   | 167       | 1,225    | 2,255   | 3,240    | 4,030     | 4,262     | 4,465     | 4,682     | 5,006         |
| Pawnee.....       |                   | 102       | 1,762    | 3,205   | 4,775    | 6,099     | 6,738     | 7,218     | 7,576     | 8,325         |
| Payne.....        |                   | 824       | 4,272    | 7,268   | 10,046   | 13,056    | 14,176    | 14,471    | 15,010    | 16,294        |
| Pittsburg.....    |                   | 2,020     | 8,962    | 14,044  | 18,971   | 21,994    | 22,699    | 23,157    | 23,620    | 24,123        |
| Pontotoc.....     | 5                 | 1,544     | 8,880    | 14,169  | 18,807   | 21,838    | 22,596    | 23,074    | 24,474    | 26,025        |
| Pottawatomie..... | 9                 | 4,893     | 18,705   | 26,483  | 33,058   | 37,960    | 39,266    | 39,777    | 41,160    | 42,348        |
| Pushmataha.....   | (1)               | 376       | 2,357    | 3,593   | 4,467    | 5,274     | 5,364     | 5,531     | 5,581     | 5,670         |
| Seminole.....     | 6                 | 2,492     | 10,308   | 15,130  | 19,163   | 21,857    | 22,634    | 23,080    | 23,756    | 24,415        |
| Sequoyah.....     | (1)               | 2,691     | 10,738   | 16,383  | 21,552   | 25,038    | 25,779    | 26,156    | 26,926    | 27,682        |
| Stephens.....     | 8                 | 2,463     | 12,467   | 16,960  | 22,412   | 26,671    | 28,017    | 28,778    | 30,703    | 32,225        |
| Tillman.....      | (1)               | 2,528     | 13,113   | 20,234  | 26,819   | 31,260    | 32,617    | 33,734    | 36,375    | 40,818        |
| Tulsa.....        |                   | 420       | 2,438    | 4,182   | 6,043    | 7,172     | 7,634     | 7,885     | 8,220     | 8,983         |
| Wagoner.....      |                   | 857       | 4,473    | 7,584   | 11,072   | 13,192    | 14,121    | 14,436    | 14,776    | 16,505        |
| Washita.....      | (1)               | 3,061     | 12,962   | 17,673  | 23,076   | 26,981    | 27,936    | 28,264    | 29,212    | 32,076        |
| All other.....    | 82                | 285       | 1,637    | 3,082   | 6,144    | 6,963     | 8,825     | 9,090     | 9,464     | 10,525        |

## SOUTH CAROLINA.

| The state.....    | 14,633 | 303,794 | 693,444 | 910,558 | 1,091,320 | 1,230,168 | 1,328,482 | 1,388,317 | 1,424,700 | 1,560,195 |
|-------------------|--------|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| Abbeville.....    | 41     | 5,870   | 14,850  | 20,746  | 25,587    | 28,555    | 30,474    | 31,932    | 32,410    | 36,050    |
| Aiken.....        | 899    | 14,023  | 26,880  | 33,275  | 38,588    | 42,571    | 45,045    | 46,313    | 47,723    | 51,272    |
| Anderson.....     | 34     | 8,614   | 25,888  | 35,776  | 44,488    | 49,050    | 51,961    | 53,488    | 54,265    | 62,088    |
| Bamberg.....      | 1,165  | 9,566   | 15,704  | 20,374  | 22,645    | 24,807    | 25,940    | 26,825    | 27,426    | 29,907    |
| Barrow.....       | 2,734  | 20,421  | 36,591  | 44,123  | 50,568    | 54,677    | 56,791    | 58,506    | 59,683    | 65,816    |
| Beaufort.....     | 70     | 1,677   | 3,638   | 5,002   | 6,012     | 6,918     | 7,763     | 8,406     | 8,902     | 9,251     |
| Berkeley.....     | 45     | 3,462   | 7,654   | 10,015  | 11,901    | 13,721    | 15,086    | 15,973    | 16,383    | 16,695    |
| Calhoun.....      | 658    | 8,683   | 16,120  | 20,458  | 23,439    | 26,551    | 28,526    | 29,845    | 30,610    | 33,913    |
| Charleston.....   | 9      | 2,121   | 5,251   | 6,943   | 9,343     | 11,720    | 14,136    | 15,928    | 16,882    | 17,918    |
| Cherokee.....     | (2)    | 1,269   | 6,010   | 9,163   | 12,200    | 14,264    | 15,064    | 15,800    | 16,109    | 17,655    |
| Chester.....      | 71     | 5,656   | 16,293  | 21,375  | 25,831    | 29,377    | 31,791    | 33,412    | 33,672    | 35,820    |
| Chesterfield..... | 334    | 9,131   | 15,738  | 21,442  | 25,402    | 28,620    | 30,749    | 32,309    | 33,626    | 38,450    |
| Clarendon.....    | 1,543  | 15,030  | 28,082  | 34,074  | 38,406    | 41,897    | 45,357    | 47,530    | 48,462    | 50,230    |
| Colleton.....     | 190    | 5,478   | 12,470  | 15,120  | 17,272    | 19,676    | 21,158    | 21,950    | 23,205    | 24,856    |
| Darlington.....   | 74     | 7,504   | 19,030  | 26,714  | 31,943    | 37,089    | 40,134    | 42,836    | 44,768    | 48,457    |
| Dillon.....       | 457    | 8,592   | 19,153  | 23,950  | 28,649    | 32,361    | 35,242    | 36,857    | 37,954    | 40,340    |
| Dorchester.....   | 100    | 4,856   | 10,083  | 12,336  | 13,905    | 15,542    | 16,851    | 17,782    | 18,291    | 18,895    |
| Edgefield.....    | 73     | 7,941   | 16,286  | 21,016  | 24,816    | 28,189    | 30,143    | 31,481    | 32,059    | 35,554    |
| Fairfield.....    | 7      | 2,981   | 10,058  | 13,920  | 17,336    | 20,277    | 22,116    | 23,408    | 24,048    | 26,012    |
| Florence.....     | 110    | 8,102   | 20,583  | 27,206  | 33,150    | 38,440    | 42,062    | 45,343    | 46,515    | 48,947    |

1 Included in all other counties, to avoid disclosure of individual operations.

2 Not shown separately, to avoid disclosure of individual operations.

# COTTON PRODUCTION IN THE UNITED STATES.

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**TABLE 18.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES.**  
**CROP OF 1914—Continued.**

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

| COUNTY.                   | COTTON GINNED TO— |           |          |         |          |         |          |         |          | Total ginned. |
|---------------------------|-------------------|-----------|----------|---------|----------|---------|----------|---------|----------|---------------|
|                           | Sept. 1.          | Sept. 25. | Oct. 18. | Nov. 1. | Nov. 14. | Dec. 1. | Dec. 13. | Jan. 1. | Jan. 16. |               |
| SOUTH CAROLINA—Continued. |                   |           |          |         |          |         |          |         |          |               |
| Georgetown.....           |                   | 640       | 2,090    | 2,904   | 3,774    | 4,206   | 4,684    | 5,037   | 5,256    | 5,432         |
| Greenville.....           | (1)               | 4,644     | 18,300   | 26,717  | 33,772   | 38,269  | 41,140   | 42,002  | 43,446   | 49,032        |
| Greenwood.....            | 66                | 6,031     | 14,481   | 19,933  | 24,123   | 27,051  | 28,887   | 30,291  | 30,781   | 35,298        |
| Hampton.....              | 775               | 8,154     | 13,779   | 19,266  | 17,810   | 19,223  | 20,261   | 20,873  | 21,505   | 22,710        |
| Horry.....                |                   | 674       | 3,276    | 4,972   | 6,616    | 8,407   | 10,232   | 11,111  | 11,974   | 13,306        |
| Jasper.....               | (1)               | 2,306     | 3,923    | 4,663   | 5,159    | 5,762   | 6,098    | 6,396   | 6,529    | 6,681         |
| Kershaw.....              | 136               | 5,588     | 14,165   | 18,440  | 21,429   | 25,448  | 28,299   | 29,522  | 30,408   | 32,170        |
| Lancaster.....            | (1)               | 1,600     | 8,891    | 12,749  | 17,113   | 20,033  | 21,807   | 23,292  | 23,830   | 27,553        |
| Laurens.....              | 54                | 6,366     | 17,262   | 23,891  | 26,023   | 33,337  | 35,365   | 36,495  | 36,876   | 42,405        |
| Lee.....                  | 392               | 10,691    | 21,348   | 27,594  | 32,663   | 36,256  | 38,985   | 40,435  | 41,505   | 45,078        |
| Lexington.....            | 291               | 5,804     | 11,315   | 16,234  | 18,937   | 21,845  | 25,144   | 26,502  | 27,578   | 30,070        |
| Marion.....               | 60                | 2,680     | 6,962    | 8,902   | 10,909   | 12,317  | 18,307   | 14,210  | 14,705   | 17,544        |
| Marlboro.....             | 731               | 16,487    | 31,123   | 39,581  | 47,055   | 53,245  | 56,429   | 58,258  | 60,348   | 69,838        |
| Newberry.....             | 103               | 5,096     | 15,061   | 20,291  | 25,059   | 28,276  | 30,694   | 32,177  | 32,748   | 36,698        |
| Oconee.....               | (1)               | 1,515     | 6,761    | 9,971   | 13,695   | 16,038  | 17,356   | 18,295  | 18,842   | 21,806        |
| Orangeburg.....           | 1,449             | 21,169    | 45,662   | 56,112  | 64,329   | 71,700  | 77,689   | 81,388  | 83,536   | 89,557        |
| Pickens.....              |                   | 1,812     | 7,827    | 11,521  | 15,005   | 17,391  | 18,638   | 19,413  | 19,942   | 22,940        |
| Richland.....             | 607               | 6,483     | 13,346   | 16,881  | 19,918   | 22,385  | 24,330   | 25,400  | 26,832   | 27,148        |
| Saluda.....               | 66                | 4,629     | 11,293   | 15,064  | 18,474   | 20,811  | 22,631   | 23,515  | 24,115   | 27,031        |
| Spartanburg.....          | 21                | 8,044     | 29,050   | 42,226  | 54,193   | 60,588  | 64,988   | 67,224  | 68,790   | 75,504        |
| Sumter.....               | 1,111             | 15,361    | 28,971   | 35,400  | 41,076   | 45,142  | 48,474   | 50,538  | 51,706   | 54,278        |
| Union.....                | (1)               | 1,667     | 6,904    | 10,344  | 13,025   | 16,028  | 17,526   | 18,275  | 18,602   | 20,564        |
| Williamsburg.....         | 28                | 7,712     | 17,893   | 22,850  | 25,029   | 29,164  | 32,429   | 33,762  | 34,934   | 36,644        |
| York.....                 | 57                | 5,054     | 17,146   | 21,028  | 29,503   | 33,041  | 36,125   | 37,324  | 38,039   | 41,651        |

## TENNESSEE.

|                 |     |        |         |         |         |         |         |         |         |         |
|-----------------|-----|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| The state.....  | 26  | 16,032 | 102,177 | 172,485 | 238,451 | 291,183 | 319,284 | 330,580 | 342,877 | 372,068 |
| Benton.....     |     |        | 145     | 544     | 1,051   | 1,534   | 1,871   | 1,971   | 2,223   | 2,410   |
| Carroll.....    |     | 21     | 1,790   | 4,279   | 6,466   | 8,441   | 9,559   | 10,050  | 10,441  | 10,930  |
| Chester.....    | (2) | 227    | 1,785   | 3,300   | 4,648   | 5,369   | 5,823   | 5,849   | 5,984   | 6,328   |
| Crockett.....   |     | 462    | 3,874   | 6,602   | 9,348   | 11,652  | 12,541  | 12,846  | 13,012  | 13,865  |
| Decatur.....    |     |        | 431     | 1,026   | 1,425   | 1,863   | 2,129   | 2,169   | 2,266   | 2,537   |
| Dyer.....       |     | 433    | 5,006   | 9,693   | 14,666  | 18,799  | 20,519  | 21,178  | 22,187  | 25,152  |
| Fayette.....    |     | 1,243  | 8,376   | 13,389  | 17,679  | 20,767  | 22,690  | 23,340  | 23,968  | 25,845  |
| Gibson.....     |     | 556    | 6,370   | 11,707  | 15,490  | 20,477  | 23,034  | 25,040  | 25,535  | 27,475  |
| Giles.....      |     | 455    | 3,069   | 5,072   | 7,022   | 8,850   | 9,657   | 9,757   | 10,115  | 10,617  |
| Hardeman.....   | 4   | 652    | 3,953   | 7,356   | 10,412  | 13,267  | 14,713  | 16,075  | 15,870  | 16,567  |
| Hardin.....     |     | 483    | 2,409   | 4,069   | 5,367   | 6,559   | 7,087   | 7,429   | 7,769   | 8,188   |
| Haywood.....    | (2) | 621    | 5,671   | 9,197   | 12,995  | 15,468  | 16,795  | 17,128  | 17,618  | 19,037  |
| Henderson.....  |     | 109    | 2,512   | 5,219   | 7,652   | 9,394   | 10,341  | 10,616  | 10,900  | 11,559  |
| Henry.....      | (2) |        | 125     | 408     | 829     | 1,291   | 1,543   | 1,793   | 1,872   | 2,127   |
| Lake.....       | (2) | 2,428  | 8,676   | 12,450  | 16,296  | 18,091  | 18,590  | 19,096  | 20,230  | 21,518  |
| Lauderdale..... |     | 938    | 6,975   | 11,690  | 17,170  | 20,681  | 21,989  | 22,506  | 23,426  | 26,361  |
| Lawrence.....   |     | 52     | 801     | 1,500   | 2,217   | 2,720   | 2,925   | 2,951   | 2,994   | 3,111   |
| Lincoln.....    |     | 955    | 2,942   | 4,145   | 5,420   | 6,129   | 6,447   | 6,530   | 6,618   | 6,700   |
| McNairy.....    |     | 673    | 3,713   | 6,812   | 9,273   | 11,158  | 12,000  | 12,227  | 12,515  | 13,097  |
| Madison.....    |     | 616    | 4,462   | 7,569   | 10,267  | 12,452  | 13,497  | 13,888  | 14,110  | 14,776  |
| Obion.....      |     | 206    | 1,392   | 2,375   | 3,321   | 4,590   | 5,013   | 5,245   | 5,542   | 6,169   |
| Rutherford..... |     | 321    | 2,344   | 4,311   | 5,714   | 7,531   | 9,493   | 10,281  | 10,885  | 11,901  |
| Shelby.....     | 5   | 3,325  | 16,360  | 23,932  | 31,005  | 35,620  | 38,429  | 39,228  | 40,543  | 43,439  |
| Tipton.....     | (2) | 1,010  | 7,943   | 12,529  | 17,278  | 20,622  | 22,135  | 22,751  | 24,171  | 27,563  |
| Wayne.....      |     |        | 151     | 406     | 525     | 630     | 702     | 757     | 778     | 910     |
| Weakley.....    |     | 237    | 471     | 810     | 1,187   | 2,995   | 3,448   | 3,617   | 3,852   | 4,356   |
| All other.....  | 17  | 11,909 | 431     | 2,095   | 2,728   | 4,233   | 6,314   | 7,262   | 7,717   | 9,465   |

## TEXAS.

|                |         |           |           |           |           |           |           |           |           |           |
|----------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| The state..... | 268,485 | 1,334,342 | 2,715,772 | 3,168,786 | 3,511,762 | 3,746,578 | 3,874,368 | 3,960,170 | 4,125,919 | 4,390,200 |
| Anderson.....  | 40      | 3,520     | 10,540    | 13,160    | 15,022    | 16,160    | 16,834    | 17,514    | 18,134    | 18,779    |
| Angelina.....  | 8       | 726       | 2,654     | 3,616     | 4,121     | 4,870     | 5,237     | 5,413     | 5,660     | 6,178     |
| Archer.....    | (2)     | 818       | 3,741     | 5,209     | 6,604     | 7,691     | 8,094     | 8,504     | 9,138     | 10,087    |
| Atascosa.....  | 3,762   | 8,256     | 11,688    | 12,386    | 12,734    | 13,165    | 13,531    | 13,669    | 13,888    | 14,087    |
| Austin.....    | 3,510   | 13,626    | 18,723    | 19,831    | 20,555    | 21,166    | 21,418    | 21,699    | 22,058    | 23,313    |
| Bandera.....   | (2)     | 738       | 1,440     | 1,547     | 1,606     | 1,641     | 1,649     | 1,659     | 1,659     | 1,660     |
| Bastrop.....   | 4,900   | 17,091    | 25,327    | 26,640    | 27,750    | 28,831    | 29,471    | 29,848    | 30,063    | 32,152    |
| Baylor.....    | (2)     | 1,862     | 7,315     | 10,195    | 13,759    | 16,613    | 18,428    | 19,652    | 22,153    | 25,042    |
| Bee.....       | 4,825   | 10,034    | 13,286    | 13,566    | 13,674    | 13,696    | 13,730    | 13,730    | 13,866    | 13,975    |
| Bell.....      | 5,887   | 24,548    | 50,315    | 61,730    | 63,426    | 64,334    | 64,835    | 65,067    | 65,923    | 67,860    |
| Bexar.....     | 8,799   | 18,864    | 24,309    | 25,277    | 25,900    | 26,006    | 27,069    | 28,555    | 29,320    | 30,454    |
| Blanco.....    | 761     | 3,580     | 5,402     | 5,592     | 5,822     | 5,993     | 6,247     | 6,310     | 6,576     | 6,905     |
| Bosque.....    | 192     | 4,872     | 14,400    | 17,247    | 19,507    | 20,876    | 21,402    | 21,745    | 22,372    | 25,114    |
| Bowie.....     | 20      | 5,266     | 17,209    | 22,038    | 25,028    | 26,430    | 27,076    | 27,265    | 27,428    | 27,705    |
| Brazoria.....  | 79      | 1,136     | 2,864     | 3,493     | 3,918     | 4,173     | 4,298     | 4,331     | 4,468     | 4,818     |
| Brazos.....    | 2,476   | 12,000    | 17,068    | 18,439    | 19,063    | 19,720    | 20,085    | 20,347    | 20,806    | 21,182    |
| Brown.....     | 25      | 4,628     | 13,900    | 16,224    | 18,608    | 19,928    | 20,765    | 21,339    | 22,232    | 23,583    |
| Burleson.....  | 3,068   | 13,622    | 20,840    | 22,070    | 23,706    | 23,169    | 23,399    | 23,544    | 23,830    | 24,458    |
| Burnet.....    | 833     | 6,251     | 11,004    | 11,643    | 12,262    | 12,900    | 13,590    | 13,880    | 14,773    | 15,818    |
| Caldwell.....  | 11,907  | 34,364    | 46,186    | 47,323    | 48,434    | 49,762    | 50,300    | 50,925    | 51,956    | 52,600    |

<sup>1</sup> Not shown separately, to avoid disclosure of individual operations.

<sup>2</sup> Included in all other counties, to avoid disclosure of individual operations.



## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 18.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES:  
CROP OF 1914—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

| COUNTY.            | COTTON GINNED TO— |           |          |         |          |         |          |         |          | Total ginned. |
|--------------------|-------------------|-----------|----------|---------|----------|---------|----------|---------|----------|---------------|
|                    | Sept. 1.          | Sept. 25. | Oct. 18. | Nov. 1. | Nov. 14. | Dec. 1. | Dec. 13. | Jan. 1. | Jan. 16. |               |
| TEXAS—Continued.   |                   |           |          |         |          |         |          |         |          |               |
| Callahan.....      |                   | 2,203     | 8,288    | 10,138  | 12,328   | 14,110  | 14,681   | 15,408  | 17,024   | 19,654        |
| Camp.....          | (1)               | 2,648     | 6,675    | 8,094   | 8,965    | 9,462   | 9,615    | 9,816   | 9,905    | 10,021        |
| Cass.....          | 24                | 4,371     | 14,779   | 18,601  | 20,924   | 23,317  | 24,610   | 25,212  | 25,871   | 26,320        |
| Cherokee.....      | 25                | 2,943     | 10,249   | 12,854  | 14,385   | 16,070  | 17,385   | 17,857  | 18,527   | 19,245        |
| Childress.....     | (1)               | 1,910     | 8,576    | 12,715  | 17,474   | 21,855  | 23,608   | 24,407  | 26,738   | 29,004        |
| Clay.....          | 7                 | 2,714     | 12,528   | 17,756  | 22,214   | 24,574  | 25,367   | 26,033  | 27,813   | 30,435        |
| Coke.....          | 6                 | 2,327     | 6,944    | 8,081   | 9,889    | 11,098  | 12,242   | 12,938  | 14,239   | 15,878        |
| Coleman.....       | 48                | 10,527    | 29,671   | 35,202  | 39,856   | 43,582  | 45,579   | 47,116  | 50,187   | 56,094        |
| Collin.....        | 364               | 22,176    | 55,328   | 69,185  | 75,525   | 77,640  | 78,230   | 78,583  | 79,968   | 83,374        |
| Collingsworth..... |                   | 1,154     | 6,349    | 8,900   | 12,607   | 15,944  | 17,128   | 17,875  | 19,314   | 21,684        |
| Colorado.....      | 2,571             | 9,184     | 12,674   | 13,554  | 14,054   | 14,466  | 14,696   | 14,813  | 15,356   | 15,947        |
| Comal.....         | 2,806             | 9,500     | 12,262   | 12,418  | 12,528   | 12,714  | 12,862   | 12,925  | 13,117   | 13,268        |
| Comanche.....      | 10                | 2,751     | 9,930    | 11,935  | 14,027   | 15,389  | 16,079   | 16,624  | 17,512   | 18,871        |
| Concho.....        | (1)               | 2,512     | 8,973    | 10,291  | 13,116   | 15,110  | 16,207   | 17,419  | 18,592   | 20,399        |
| Cooke.....         | 9                 | 3,844     | 15,395   | 20,861  | 23,810   | 25,321  | 25,856   | 26,294  | 27,263   | 29,027        |
| Coryell.....       | 1,009             | 13,343    | 26,859   | 29,352  | 31,785   | 33,147  | 33,632   | 33,977  | 36,098   | 37,680        |
| Cottle.....        |                   | 301       | 3,301    | 6,120   | 9,983    | 13,960  | 16,298   | 17,970  | 20,774   | 23,897        |
| Dallas.....        | 1,100             | 18,345    | 43,999   | 53,294  | 57,654   | 59,570  | 60,040   | 60,410  | 62,133   | 64,785        |
| Delta.....         | 89                | 8,731     | 19,157   | 22,408  | 23,719   | 24,068  | 24,152   | 24,104  | 24,243   | 24,628        |
| Denton.....        | 40                | 6,812     | 23,048   | 30,009  | 34,400   | 36,296  | 36,988   | 37,602  | 40,144   | 43,292        |
| De Witt.....       | 10,159            | 35,016    | 45,729   | 46,577  | 47,106   | 47,754  | 48,071   | 48,299  | 48,463   | 48,668        |
| Dickens.....       |                   | 398       | 2,422    | 3,709   | 5,850    | 7,622   | 8,847    | 9,893   | 11,763   | 14,928        |
| Donley.....        |                   | 403       | 2,450    | 3,278   | 4,818    | 6,057   | 6,545    | 6,697   | 7,204    | 7,969         |
| Duval.....         | 2,126             | 4,582     | 5,030    | 5,843   | 5,901    | 5,986   | 6,037    | 6,082   | 6,118    | 6,220         |
| Eastland.....      | 5                 | 2,724     | 11,031   | 13,330  | 16,456   | 18,302  | 19,074   | 19,952  | 21,657   | 24,065        |
| Ellis.....         | 1,990             | 34,423    | 86,843   | 108,950 | 119,807  | 124,595 | 125,428  | 125,952 | 129,809  | 135,913       |
| Erath.....         | 7                 | 3,196     | 12,037   | 10,598  | 19,835   | 21,753  | 22,397   | 23,175  | 24,570   | 26,068        |
| Falls.....         | 5,009             | 31,859    | 54,402   | 59,295  | 61,850   | 63,452  | 63,895   | 64,121  | 65,723   | 67,590        |
| Faunin.....        | 13                | 15,308    | 43,010   | 52,946  | 57,909   | 59,021  | 60,200   | 60,657  | 61,389   | 63,776        |
| Fayette.....       | 9,861             | 26,408    | 33,272   | 34,405  | 35,140   | 35,861  | 36,266   | 36,533  | 37,087   | 38,286        |
| Fisher.....        | (1)               | 2,786     | 11,087   | 15,122  | 20,564   | 25,145  | 28,680   | 31,352  | 35,516   | 41,203        |
| Foard.....         | (1)               | 664       | 3,512    | 4,920   | 6,995    | 8,766   | 9,769    | 10,678  | 11,997   | 14,096        |
| Fort Bend.....     | 349               | 6,931     | 13,662   | 15,730  | 16,685   | 17,484  | 17,834   | 18,213  | 18,675   | 19,275        |
| Franklin.....      | 8                 | 2,343     | 5,703    | 6,752   | 7,458    | 7,838   | 7,963    | 7,977   | 8,047    | 8,117         |
| Freestone.....     | 1,014             | 6,118     | 14,829   | 17,121  | 18,507   | 19,325  | 19,715   | 19,931  | 20,420   | 20,776        |
| Frio.....          | 4,836             | 8,810     | 11,195   | 11,722  | 12,068   | 12,443  | 12,683   | 12,763  | 12,875   | 12,939        |
| Gillespie.....     | 411               | 6,307     | 13,304   | 14,471  | 15,623   | 16,275  | 16,727   | 16,920  | 17,297   | 17,655        |
| Goliad.....        | 7,024             | 13,740    | 17,445   | 17,633  | 17,785   | 17,878  | 17,932   | 17,971  | 17,997   | 18,038        |
| Gonzales.....      | 8,026             | 23,133    | 31,281   | 34,528  | 35,377   | 36,194  | 36,613   | 36,784  | 37,199   | 37,650        |
| Grayson.....       | 22                | 9,326     | 28,906   | 37,488  | 43,293   | 45,000  | 46,309   | 46,885  | 48,138   | 50,553        |
| Gregg.....         | 8                 | 2,412     | 6,701    | 8,041   | 8,886    | 9,514   | 9,768    | 9,835   | 9,960    | 10,208        |
| Grimes.....        | 2,124             | 10,498    | 15,510   | 17,133  | 17,943   | 18,570  | 19,131   | 19,551  | 20,230   | 21,595        |
| Guadalupe.....     | 11,090            | 31,905    | 37,418   | 38,260  | 39,765   | 40,610  | 41,571   | 41,875  | 42,502   | 43,178        |
| Hall.....          | 35                | 4,368     | 14,854   | 19,189  | 25,096   | 31,587  | 33,590   | 34,516  | 36,794   | 39,168        |
| Hamilton.....      | 38                | 5,489     | 14,318   | 16,819  | 18,905   | 20,084  | 20,565   | 21,184  | 22,448   | 23,349        |
| Hardman.....       | 7                 | 1,390     | 7,059    | 9,750   | 14,283   | 18,565  | 20,111   | 21,258  | 23,537   | 27,516        |
| Harris.....        | 287               | 1,948     | 3,139    | 3,646   | 3,820    | 4,139   | 4,381    | 4,536   | 4,755    | 5,201         |
| Harrison.....      | 15                | 3,938     | 11,009   | 14,950  | 17,151   | 18,851  | 19,378   | 19,535  | 19,721   | 19,948        |
| Haskell.....       | 5                 | 2,418     | 12,006   | 16,454  | 24,033   | 29,648  | 33,751   | 37,119  | 41,875   | 51,539        |
| Hays.....          | 2,749             | 12,302    | 19,778   | 20,517  | 21,141   | 21,636  | 21,952   | 22,111  | 22,630   | 23,377        |
| Henderson.....     | 90                | 5,365     | 13,033   | 15,548  | 17,484   | 18,348  | 18,802   | 19,168  | 19,433   | 19,719        |
| Hill.....          | 874               | 18,679    | 55,232   | 69,604  | 76,671   | 80,261  | 81,001   | 81,293  | 83,999   | 88,833        |
| Hood.....          | 4                 | 933       | 4,574    | 6,077   | 8,151    | 9,068   | 9,397    | 9,723   | 10,801   | 12,256        |
| Hopkins.....       | 28                | 9,145     | 23,170   | 28,015  | 30,798   | 32,016  | 32,551   | 32,757  | 33,113   | 33,427        |
| Houston.....       | 332               | 5,006     | 14,297   | 17,434  | 19,402   | 21,130  | 22,519   | 23,161  | 24,020   | 25,093        |
| Howard.....        |                   | 410       | 2,807    | 3,064   | 5,306    | 6,914   | 8,010    | 8,905   | 10,330   | 12,857        |
| Hunt.....          | 174               | 20,056    | 50,286   | 60,739  | 64,950   | 66,618  | 67,438   | 67,609  | 68,209   | 69,616        |
| Jack.....          | (1)               | 1,039     | 4,799    | 6,992   | 9,001    | 10,094  | 10,404   | 10,811  | 11,790   | 13,302        |
| Jackson.....       | 1,108             | 3,268     | 4,760    | 4,840   | 4,929    | 5,010   | 5,073    | 5,092   | 5,166    | 5,308         |
| Jim Wells.....     | 2,431             | 3,869     | 4,644    | 4,901   | 4,640    | 4,668   | 4,700    | 4,719   | 4,748    | 4,785         |
| Johnson.....       | 49                | 7,508     | 27,481   | 37,167  | 42,287   | 44,778  | 45,476   | 45,732  | 48,114   | 51,114        |
| Jones.....         | (1)               | 3,955     | 17,538   | 23,153  | 31,219   | 37,259  | 42,137   | 46,165  | 53,187   | 65,168        |
| Karnes.....        | 13,723            | 28,108    | 30,933   | 37,198  | 37,602   | 38,223  | 38,498   | 38,585  | 38,874   | 39,002        |
| Kaufman.....       | 1,627             | 26,410    | 56,348   | 67,801  | 72,523   | 76,026  | 77,148   | 77,753  | 78,567   | 81,938        |
| Kendall.....       | 210               | 1,811     | 2,735    | 2,852   | 2,938    | 3,008   | 3,077    | 3,101   | 3,148    | 3,200         |
| Kent.....          |                   | 154       | 1,524    | 2,280   | 3,521    | 4,766   | 5,767    | 6,537   | 7,851    | 9,680         |
| Kerr.....          | (1)               | 615       | 1,233    | 1,390   | 1,454    | 1,501   | 1,535    | 1,538   | 1,548    | 1,552         |
| Kleberg.....       | 578               | 794       | 1,001    | 1,036   | 1,084    | 1,104   | 1,113    | 1,113   | 1,132    | 1,132         |
| Knox.....          | 15                | 1,303     | 11,120   | 15,367  | 20,742   | 25,144  | 27,340   | 28,742  | 33,191   | 37,156        |
| Lamar.....         | 151               | 18,844    | 42,186   | 50,413  | 54,462   | 55,638  | 55,915   | 56,052  | 56,330   | 56,702        |
| Lampasas.....      | 64                | 2,351     | 5,682    | 6,448   | 7,192    | 7,529   | 7,789    | 7,944   | 8,391    | 8,847         |
| Lavaca.....        | 10,433            | 25,080    | 30,273   | 30,911  | 31,290   | 31,630  | 32,100   | 32,344  | 32,809   | 33,441        |
| Lee.....           | 1,146             | 5,503     | 8,993    | 9,692   | 10,114   | 10,518  | 10,850   | 11,027  | 11,512   | 11,858        |
| Leon.....          | 344               | 4,330     | 10,630   | 12,739  | 14,070   | 14,869  | 15,615   | 15,862  | 16,228   | 16,572        |
| Limestone.....     | 4,460             | 31,367    | 51,562   | 58,532  | 62,437   | 64,250  | 65,018   | 65,330  | 65,905   | 68,065        |
| Live Oak.....      | 432               | 1,170     | 1,835    | 1,802   | 1,952    | 1,965   | 1,986    | 1,986   | 1,992    | 1,992         |
| Llano.....         | (1)               | 421       | 1,915    | 2,256   | 2,626    | 2,883   | 3,085    | 3,200   | 3,363    | 3,479         |
| McCulloch.....     | 49                | 5,773     | 17,045   | 20,129  | 24,695   | 27,718  | 30,037   | 31,778  | 34,245   | 37,816        |
| McLennan.....      | 2,509             | 31,480    | 67,405   | 76,529  | 81,920   | 84,602  | 85,710   | 86,505  | 87,854   | 93,366        |
| Madison.....       | 363               | 3,789     | 7,432    | 8,553   | 9,175    | 9,636   | 9,893    | 9,994   | 10,301   | 10,618        |

1 Included in all other counties, to avoid disclosure of individual operations.

TABLE 18.—COTTON GINNED TO SPECIFIED DATES AND THROUGHOUT THE SEASON, BY COUNTIES:  
CROP OF 1914—Continued.

[Quantities are given in running bales, except that round bales are counted as half bales. Linters are not included.]

| COUNTY.            | COTTON GINNED TO— |           |          |         |          |         |          |         |          |         | Total<br>ginned. |
|--------------------|-------------------|-----------|----------|---------|----------|---------|----------|---------|----------|---------|------------------|
|                    | Sept. 1.          | Sept. 25. | Oct. 18. | Nov. 1. | Nov. 14. | Dec. 1. | Dec. 13. | Jan. 1. | Jan. 16. |         |                  |
| TEXAS—Continued.   |                   |           |          |         |          |         |          |         |          |         |                  |
| Marion.....        | ( <sup>1</sup> )  | 707       | 2,546    | 3,268   | 3,976    | 4,561   | 4,912    | 5,015   | 5,150    | 5,254   |                  |
| Mason.....         | ( <sup>1</sup> )  | 674       | 3,022    | 3,631   | 4,162    | 4,489   | 4,747    | 4,799   | 4,944    | 5,088   |                  |
| Matagorda.....     | 243               | 1,291     | 2,292    | 2,504   | 2,764    | 3,009   | 3,114    | 3,141   | 3,345    | 3,643   |                  |
| Medina.....        | 4,729             | 10,305    | 13,946   | 14,897  | 15,175   | 15,349  | 15,485   | 15,538  | 15,627   | 15,789  |                  |
| Milam.....         | 7,697             | 31,589    | 52,851   | 55,794  | 57,659   | 58,882  | 59,437   | 59,746  | 60,287   | 61,330  |                  |
| Mills.....         | 15                | 4,134     | 11,123   | 12,597  | 14,023   | 14,529  | 15,703   | 15,900  | 16,420   | 17,140  |                  |
| Mitchell.....      | ( <sup>1</sup> )  | 2,049     | 10,003   | 12,509  | 16,840   | 20,049  | 23,193   | 25,741  | 28,749   | 33,061  |                  |
| Montague.....      | 12                | 3,630     | 16,966   | 22,943  | 29,013   | 32,111  | 33,388   | 34,008  | 37,444   | 43,595  |                  |
| Montgomery.....    | 189               | 2,744     | 5,594    | 6,545   | 7,280    | 7,638   | 7,953    | 8,091   | 8,407    | 8,896   |                  |
| Morris.....        | 5                 | 2,344     | 6,878    | 8,345   | 9,258    | 9,796   | 10,030   | 10,230  | 10,313   | 10,429  |                  |
| Nacogdoches.....   | 71                | 2,088     | 9,031    | 11,196  | 12,461   | 13,004  | 14,711   | 15,016  | 15,509   | 15,950  |                  |
| Navarro.....       | 3,685             | 32,995    | 66,366   | 77,799  | 82,075   | 85,948  | 86,788   | 86,935  | 88,871   | 90,888  |                  |
| Nolan.....         | ( <sup>1</sup> )  | 1,811     | 7,943    | 9,418   | 12,193   | 14,528  | 16,153   | 17,286  | 19,198   | 22,398  |                  |
| Nueces.....        | 14,752            | 22,742    | 25,175   | 25,207  | 25,636   | 25,734  | 25,817   | 25,882  | 25,966   | 26,346  |                  |
| Palo Pinto.....    | 4                 | 1,059     | 4,358    | 5,927   | 7,213    | 7,995   | 8,366    | 8,655   | 9,326    | 10,052  |                  |
| Panola.....        | 53                | 5,426     | 12,600   | 14,746  | 16,319   | 17,090  | 18,518   | 18,860  | 19,062   | 19,409  |                  |
| Parker.....        | ( <sup>1</sup> )  | 2,067     | 10,510   | 14,770  | 17,608   | 19,026  | 19,720   | 20,340  | 21,863   | 24,144  |                  |
| Polk.....          | 41                | 1,002     | 2,857    | 3,690   | 4,370    | 4,820   | 5,128    | 5,361   | 5,728    | 6,248   |                  |
| Rains.....         | 16                | 1,882     | 4,572    | 5,525   | 6,141    | 6,440   | 6,549    | 6,584   | 6,654    | 6,723   |                  |
| Red River.....     | 52                | 12,142    | 28,767   | 34,782  | 38,300   | 39,557  | 39,845   | 39,903  | 40,145   | 40,466  |                  |
| Robertson.....     | 2,197             | 16,527    | 32,372   | 36,294  | 37,695   | 38,691  | 39,186   | 39,454  | 40,044   | 40,613  |                  |
| Rockwall.....      | 473               | 10,543    | 22,726   | 26,750  | 28,000   | 28,351  | 28,496   | 28,542  | 28,714   | 29,171  |                  |
| Runnels.....       | 12                | 6,899     | 26,783   | 32,816  | 39,239   | 42,547  | 47,067   | 49,342  | 52,492   | 58,184  |                  |
| Rusk.....          | 37                | 5,933     | 17,366   | 21,549  | 23,780   | 26,039  | 27,281   | 27,897  | 28,730   | 29,831  |                  |
| Sabine.....        | 7                 | 568       | 1,774    | 2,520   | 2,968    | 3,355   | 3,490    | 3,551   | 3,660    | 3,798   |                  |
| San Augustine..... | ( <sup>1</sup> )  | 1,068     | 3,715    | 5,028   | 5,970    | 6,730   | 6,987    | 7,106   | 7,219    | 7,365   |                  |
| San Jacinto.....   | ( <sup>1</sup> )  | 494       | 1,939    | 2,811   | 3,431    | 3,911   | 4,207    | 4,432   | 4,622    | 5,059   |                  |
| San Patricio.....  | 11,945            | 16,909    | 18,343   | 18,415  | 18,455   | 18,490  | 18,492   | 18,505  | 18,513   | 18,524  |                  |
| San Saba.....      | 20                | 2,123     | 7,799    | 8,997   | 10,386   | 11,317  | 12,017   | 12,517  | 13,125   | 14,181  |                  |
| Scurry.....        | —                 | 1,432     | 8,481    | 10,922  | 14,943   | 18,388  | 20,778   | 22,474  | 25,717   | 29,902  |                  |
| Shackelford.....   | —                 | 443       | 2,045    | 2,724   | 3,535    | 4,132   | 4,332    | 4,639   | 5,172    | 5,809   |                  |
| Shelby.....        | 45                | 4,403     | 11,908   | 14,825  | 16,349   | 17,694  | 18,513   | 18,738  | 18,924   | 19,502  |                  |
| Smith.....         | 19                | 7,017     | 20,327   | 24,714  | 27,234   | 29,577  | 30,839   | 31,501  | 32,728   | 33,425  |                  |
| Somervell.....     | ( <sup>1</sup> )  | 364       | 1,505    | 2,070   | 2,459    | 2,705   | 2,800    | 2,935   | 3,241    | 3,658   |                  |
| Stephens.....      | —                 | 433       | 1,979    | 2,567   | 3,205    | 3,643   | 3,913    | 4,111   | 4,498    | 5,004   |                  |
| Stonewall.....     | ( <sup>1</sup> )  | 743       | 3,813    | 5,220   | 7,545    | 9,647   | 10,988   | 12,096  | 13,085   | 16,472  |                  |
| Tarrant.....       | 22                | 3,177     | 13,245   | 18,374  | 21,522   | 23,046  | 23,556   | 24,040  | 25,907   | 28,723  |                  |
| Taylor.....        | ( <sup>1</sup> )  | 4,183     | 16,472   | 20,895  | 27,254   | 31,893  | 34,222   | 36,972  | 42,231   | 51,397  |                  |
| Throckmorton.....  | —                 | 1,027     | 8,837    | 4,929   | 6,184    | 7,076   | 7,452    | 7,801   | 8,545    | 9,647   |                  |
| Titus.....         | 3                 | 3,679     | 10,265   | 12,355  | 13,475   | 14,056  | 14,484   | 14,677  | 14,815   | 15,218  |                  |
| Tom Green.....     | ( <sup>1</sup> )  | 1,376     | 4,755    | 5,624   | 6,811    | 7,754   | 8,442    | 8,961   | 9,469    | 10,330  |                  |
| Travis.....        | 8,420             | 33,286    | 50,166   | 51,679  | 53,383   | 54,615  | 55,305   | 55,641  | 56,846   | 58,130  |                  |
| Trinity.....       | 23                | 829       | 2,717    | 3,569   | 4,128    | 4,733   | 5,037    | 5,174   | 5,417    | 5,747   |                  |
| Upshur.....        | 9                 | 3,753     | 11,880   | 14,989  | 17,258   | 18,520  | 19,284   | 19,677  | 20,098   | 20,474  |                  |
| Uvalde.....        | 1,716             | 4,698     | 6,768    | 7,057   | 7,180    | 7,283   | 7,301    | 7,301   | 7,312    | 7,320   |                  |
| Van Zandt.....     | 27                | 9,588     | 20,744   | 25,470  | 27,599   | 28,360  | 28,964   | 29,766  | 30,393   | 31,191  |                  |
| Victoria.....      | 3,631             | 9,186     | 12,050   | 12,240  | 12,342   | 12,514  | 12,570   | 12,596  | 12,663   | 12,916  |                  |
| Walker.....        | 77                | 1,679     | 4,475    | 5,548   | 6,395    | 7,201   | 7,573    | 7,829   | 8,376    | 9,510   |                  |
| Waller.....        | 705               | 4,298     | 7,543    | 8,455   | 8,853    | 9,162   | 9,303    | 9,487   | 9,720    | 9,873   |                  |
| Washington.....    | 5,784             | 21,630    | 28,369   | 29,617  | 30,285   | 30,802  | 30,990   | 31,154  | 31,612   | 32,442  |                  |
| Wharton.....       | 931               | 5,842     | 10,282   | 10,955  | 11,608   | 12,317  | 12,423   | 12,532  | 12,999   | 14,717  |                  |
| Wichita.....       | ( <sup>1</sup> )  | 1,176     | 5,614    | 8,288   | 10,420   | 11,699  | 12,161   | 12,553  | 13,323   | 14,320  |                  |
| Wilbarger.....     | ( <sup>1</sup> )  | 1,703     | 9,283    | 13,771  | 19,694   | 25,168  | 27,286   | 29,350  | 32,797   | 38,029  |                  |
| Williamson.....    | 11,704            | 57,036    | 89,821   | 93,590  | 96,056   | 98,016  | 99,964   | 100,368 | 102,380  | 105,714 |                  |
| Wilson.....        | 6,024             | 16,184    | 23,292   | 24,529  | 25,297   | 26,028  | 26,608   | 26,897  | 27,371   | 27,920  |                  |
| Wise.....          | 8                 | 2,239     | 12,187   | 16,386  | 20,043   | 22,085  | 22,734   | 23,441  | 25,418   | 28,797  |                  |
| Wood.....          | 5                 | 3,897     | 13,172   | 16,725  | 18,987   | 20,692  | 21,243   | 21,548  | 21,982   | 22,216  |                  |
| Young.....         | ( <sup>1</sup> )  | 2,556     | 10,389   | 14,343  | 18,027   | 20,385  | 21,204   | 22,146  | 24,192   | 27,791  |                  |
| All other.....     | 6,901             | 17,360    | 35,134   | 46,810  | 55,170   | 60,050  | 78,397   | 84,442  | 91,835   | 109,472 |                  |

## VIRGINIA.

| The state.....   | 231 | 4,351            | 8,597 | 12,714 | 16,814 | 20,294 | 21,499 | 22,292 | 25,277 |
|------------------|-----|------------------|-------|--------|--------|--------|--------|--------|--------|
| Brunswick.....   | 55  | 811              | 1,478 | 2,157  | 2,615  | 2,983  | 3,088  | 3,154  | 3,402  |
| Greensville..... | 11  | 711              | 1,334 | 2,131  | 2,758  | 3,098  | 3,218  | 3,282  | 3,507  |
| Nansemond.....   | 36  | 726              | 1,389 | 2,333  | 3,189  | 4,029  | 4,312  | 4,619  | 5,427  |
| Norfolk.....     | —   | ( <sup>1</sup> ) | 510   | 837    | 994    | 1,190  | 1,277  | 1,290  | 1,414  |
| Southampton..... | 126 | 1,761            | 2,842 | 4,053  | 5,393  | 6,180  | 6,586  | 6,879  | 7,903  |
| All other.....   | 3   | 312              | 1,044 | 1,203  | 1,865  | 2,814  | 3,018  | 3,068  | 3,619  |

<sup>1</sup> Included in all other counties, to avoid disclosure of individual operations.

# THE WORLD'S PRODUCTION OF COTTON.

The increasing demand for cotton in recent years has resulted in its production on a larger scale than formerly. It is now grown for commercial purposes in many widely scattered localities, some of which have only recently taken up its culture, and there are undoubtedly still other localities suited to its cultivation. However, a number of conditions are requisite to the successful production of cotton, the most important factor being a suitable climate. The cotton plant requires a long warm season in which to come to full maturity, as well as adequate moisture. In some localities where the rainfall is insufficient, recourse is had to irrigation. This method of supplying the necessary moisture is used extensively in the cotton-growing districts of Egypt, Russia, Mexico, Peru, Persia, and in some of the districts of India. In order to produce the crop economically it is necessary to have sufficient labor, trained in growing cotton, and, in addition, adequate ginning and transportation facilities. The state of Oklahoma, which formerly lacked all these factors, furnishes an example of their effect. In 1899 the combined production of cotton in Oklahoma and Indian Territories was 215,591 bales, while the crop of 1914 exceeded 1,250,000 bales. The establishment of better transportation facilities in Russian Turkestan has been an important factor in increasing the production in that country.

Many attempts have been made in recent years to extend the cultivation of cotton to new districts, but in most of them one or more of the requisites just mentioned have been lacking. While some of these efforts have demonstrated the possibility of growing very good grades of cotton in a number of new fields, they have not been sufficiently encouraging to warrant the hope of any considerable addition to the world's production of cotton from these sources within the next few years. It seems, therefore, that the demand for cotton must be met, for a time at least, by those countries in which the cultivation is already firmly established.

The European war seriously affected the cotton industry during the past season. It made difficult the transportation of cotton, disturbed the usual channels of trade, lessened the quantity of raw cotton consumed, and left a large surplus to be carried over. The resultant prices were so low as to cause a reduction in the acreage devoted to this staple in all of the leading cotton-producing countries and to discourage its culture in those countries just entering this field of enterprise.

(54)

The United States is the only country which has provided an adequate statistical service to ascertain the quantity of cotton produced each year. The governments of India, Egypt, Russia, and several other countries compile and publish estimates of acreage and production from time to time during the season, and these when available are used in arriving at the world's production. For the greater number of countries, however, the information can be secured only by special correspondence, from consular reports, trade publications, and other miscellaneous sources. The statistics given in Table 19 have been compiled from information secured from these various sources. The table shows the production of commercial cotton, by countries, for the crops of 1910 to 1914. The figures for some countries as published in previous bulletins have been revised.

TABLE 19.—WORLD'S PRODUCTION OF COMMERCIAL COTTON, BY COUNTRIES: 1910 TO 1914.

The statistics for the United States were collected by this bureau. Those for other countries have been compiled from a number of sources, among them being: The Cotton Gazette, Liverpool; Mitsui & Co., Osaka; Reinhart & Co., Alexandria; Commercial Intelligence Department of the Indian Government; Russian Central Cotton Committee; E. T. Craig, Mexico City; Pan American Union; and the United States Consular Reports.

| COUNTRY.                 | COTTON PRODUCTION (BALES OF 500 POUNDS NET). |            |            |            |            |
|--------------------------|--|------------|------------|------------|------------|
|                          | 1914   | 1913       | 1912       | 1911       | 1910       |
| Total.....               | 24,764,000                                   | 22,198,000 | 20,976,000 | 21,269,000 | 18,027,000 |
| United States.....       | 15,433,000                                   | 13,545,000 | 12,113,000 | 15,013,000 | 11,104,000 |
| India <sup>1</sup> ..... | 3,326,000                                    | 3,692,000  | 3,328,000  | 2,270,000  | 2,722,000  |
| Egypt.....               | 1,354,000                                    | 1,498,000  | 1,492,000  | 1,463,000  | 1,506,000  |
| China.....               | 1,750,000                                    | 1,200,000  | 1,074,000  | 625,000    | 775,000    |
| Russia.....              | 1,123,000                                    | 1,030,000  | 917,000    | 934,000    | 984,000    |
| Brazil.....              | 440,000                                      | 420,000    | 315,000    | 275,000    | 280,000    |
| Mexico.....              | 125,000                                      | 150,000    | 140,000    | 130,000    | 147,000    |
| Peru.....                | 103,000                                      | 110,000    | 110,000    | 100,000    | 95,000     |
| Persia.....              | 127,000                                      | 140,000    | 137,000    | 120,000    | 117,000    |
| Turkey.....              | 120,000                                      | 130,000    | 115,000    | 124,000    | 105,000    |
| All other countries..    | 323,000                                      | 285,000    | 235,000    | 210,000    | 195,000    |

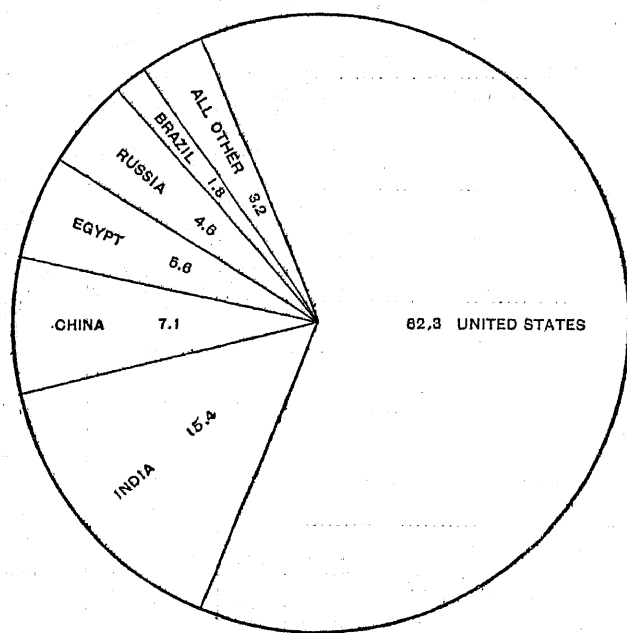
<sup>1</sup>The amounts for India do not include cotton used in home manufacture, although such cotton is included in the reports of cotton produced compiled by the Indian Government.

As the statistics of cotton production for foreign countries are generally expressed in net-weight bales, those for the United States in this table have been reduced to that basis. The world's production of cotton in 1914, exclusive of linters, as measured by the factory supply—that is, the quantity destined to enter commercial channels—was 24,764,000 bales of 500 pounds net, as compared with 22,198,000 bales in 1913, 20,976,000 bales in 1912, 21,269,000 bales in 1911, and 18,027,000 bales in 1910. The table shows a great variation in the production of cotton, the total in 1914 being 6,737,000 bales, or 37 per cent, greater than in 1910. The average production for mill con-

sumption during the five years covered by the table was 21,447,000 bales, or 3,317,000 bales less than the production of 1914. In addition to the amounts shown in the table, large quantities of cotton are produced in some countries and consumed in the homes of the people, without entering commercial channels. This is the case especially in China, and to a less extent in other eastern countries; but the amount of such cotton can not be estimated with any degree of accuracy.

The relative importance of the several cotton-producing countries is graphically presented in the following diagram. Of the total production of commercial cotton in 1914 the United States contributed 62.3 per cent, India 15.4 per cent, Egypt 5.6 per cent, China 7.1 per cent, and Russia 4.6 per cent.

DIAGRAM 1.—Percentage of the world's mill supply of cotton contributed by each country: 1914.



UNITED STATES.

The first effort to cultivate cotton in the United States was made in Virginia in 1621. Later experiments in cotton culture were made in Maryland, Delaware, Pennsylvania, and New Jersey, but conditions of climate in those states were found unsuitable. It was introduced into South Carolina in 1733 and into Georgia in 1734. It was being grown in Louisiana in 1741. The crop of 1790 produced 3,138 equivalent bales of 500 pounds each, 379 of which were exported. Table 45 (p. 82) indicates the growth in the production of cotton in the United States from 1790 to 1914.

Altogether the greatest cotton-growing section in the world, both in extent and in production, is located in the southern and southeastern parts of the United States. It includes small portions of Virginia, Kentucky, Missouri, Kansas, and New Mexico, and the

states lying to the south. This cotton-producing area is about 1,500 miles long, from east to west, and about 500 miles in width. Within the past few years the cultivation of cotton has been undertaken in Arizona and California, on irrigated land, with considerable success, especially in the latter state. The growing of other valuable crops, however, will likely prevent any considerable increase in the production in these states.

Some idea of the importance of cotton production in the United States from an economic standpoint may be had when it is considered that next to corn cotton was, prior to last year, the most valuable crop grown in the country, and was the largest single item of export. The value of the cotton crop of 1909 represented 15 per cent of the total value of all the crops of the country. The value of cotton exported during the fiscal year 1913 amounted to \$547,357,195, or 22.5 per cent of the total value of all articles of domestic merchandise exported during the year. While cotton lost its position among the exports during the last fiscal year, owing to the fall in the price of the staple, still the large exports, combined with the more than 5,500,000 bales consumed in domestic manufacture, strikingly indicate the importance of cotton in the economic affairs of the Nation.

It is not surprising, therefore, that the Federal and state governments are giving so much attention to this crop. The investigations and experiments have covered every phase of the subject and have aided greatly not only in increasing the production of cotton but in propagating varieties suited to the varying conditions of soil, moisture, insect life, etc., found throughout the cotton belt.

#### INDIA.

Cotton has long been an important agricultural product of India, where it has been used from time immemorial in making cloth for garments. Until in comparatively recent years the fiber was used almost entirely for home consumption, and therefore information as to the quantity produced is not available. The crop of 1790, however, has been estimated at 260,000 equivalent 500-pound bales; that of 1859, at 1,316,800 bales; that of 1865, at 2,090,400 bales; and that of 1914, at 4,185,600. Table 20 presents statistics of cotton acreage, production, and yield per acre for India since 1897.

According to the final general memorandum on the cotton crop of 1914-15 issued by the Indian Government, the total out-turn is estimated at 4,185,600 bales of 500 pounds each. As a rule, the Government estimates are too low when considered in connection with the figures of cotton exported and of cotton consumed. While the estimates in some years closely approximate the movement, in other years they are very much below it.

TABLE 20.—COTTON ACREAGE, PRODUCTION, AND YIELD PER ACRE IN INDIA: 1897 TO 1914.

| YEAR.     | Acreage planted in cotton. | COTTON PRODUCTION.       |                          |
|-----------|----------------------------|--------------------------|--------------------------|
|           |                            | Total (500-pound bales). | Average per acre (lbs.). |
| 1914..... | 24,632,000                 | 4,185,600                | 85                       |
| 1913..... | 25,020,000                 | 4,052,000                | 81                       |
| 1912..... | 22,028,000                 | 3,688,000                | 84                       |
| 1911..... | 21,615,000                 | 2,630,400                | 59                       |
| 1910..... | 22,596,000                 | 3,052,400                | 68                       |
| 1909..... | 20,545,000                 | 3,774,400                | 92                       |
| 1908..... | 19,590,000                 | 2,952,800                | 73                       |
| 1907..... | 21,630,000                 | 2,497,600                | 58                       |
| 1906..... | 22,488,000                 | 3,026,400                | 88                       |
| 1905..... | 20,401,000                 | 3,389,600                | 83                       |
| 1904..... | 19,918,000                 | 3,060,800                | 77                       |
| 1903..... | 18,025,000                 | 2,863,714                | 79                       |
| 1902..... | 16,581,046                 | 3,090,439                | 90                       |
| 1901..... | 14,506,205                 | 2,648,586                | 91                       |
| 1900..... | 14,231,150                 | 2,162,918                | 76                       |
| 1899..... | 11,884,576                 | 1,674,817                | 70                       |
| 1898..... | 14,602,892                 | 2,512,104                | 86                       |
| 1897..... | 13,683,487                 | 2,122,968                | 78                       |

According to Table 20, there were 24,632,000 acres planted in cotton in India in 1914, a decrease of 388,000 acres compared with 1913. The crop of 1914, however, was 133,600 bales larger than that of 1913, and was the largest crop ever produced in that country. The average yield per acre in 1914 was 85 pounds, an amount woefully small when compared with the average production in other countries. This seems all the more strange when consideration is given to the fact that the population of the country as a whole is very dense and that the value of the land for the raising of foodstuffs must be correspondingly great. The average production per acre for the different provinces varies greatly, ranging from 44 pounds in Hyderabad and 54 pounds in Madras to 125 pounds in the United Provinces and 138 in Sind. Rainfall is depended on very largely for the supply of moisture in growing the cotton crop. The dry seasons in some of the provinces are sometimes extended into periods of drought, which accounts very largely for the low averages in those provinces. In Sind and in some other sections irrigation is depended on, to some extent, and where this condition is found the average yield per acre is relatively high. Table 21 gives the statistics for the acreage in cotton and the production, by provinces, for the crops of 1909 to 1913, inclusive.

The native Indian cotton has a short, coarse fiber, and can not be utilized in the manufacture of the finer counts of yarn. The demand for a better staple for use in some of the Indian mills, as well as for export, has resulted in the Indian Government giving the subject of improving the cotton serious consideration. The principal difficulties to be surmounted are the low yield per acre of these higher grade cottons, the fact that the grower realizes but little more for the better than for the poorer grades, and the mixing of the seed at the ginneries. The Government of India, together with the provincial and local governments, has established seed farms for the purpose of furnishing pure seed to the growers. This plan will ulti-

mately result in materially improving the staple of Indian cotton and will permit this cotton to enter European markets to a much greater extent than heretofore.

TABLE 21.—COTTON ACREAGE AND PRODUCTION IN INDIA, BY PROVINCES: 1909 TO 1914.

| PROVINCE.<br>(Includes native states within provincial boundaries.) | Year. | Acreage planted in cotton. | Cotton production (500-pound bales). |
|---|-------|----------------------------|--------------------------------------|
| Total.....  | 1914  | 24,632,000                 | 4,185,600                            |
|   | 1913  | 25,020,000                 | 4,052,000                            |
|   | 1912  | 22,028,000                 | 3,688,000                            |
|   | 1911  | 21,615,000                 | 2,630,400                            |
|   | 1910  | 22,596,000                 | 3,052,400                            |
|   | 1909  | 20,545,000                 | 3,774,400                            |
| Bombay.....   | 1914  | 6,700,000                  | 1,196,000                            |
|   | 1913  | 6,574,000                  | 1,151,200                            |
|   | 1912  | 6,061,000                  | 1,059,200                            |
|   | 1911  | 5,121,000                  | 479,200                              |
|   | 1910  | 6,528,000                  | 1,052,800                            |
|   | 1909  | 5,794,000                  | 1,140,800                            |
| Central Provinces and Berar.....                                    | 1914  | 4,709,000                  | 877,600                              |
|   | 1913  | 4,754,000                  | 708,800                              |
|   | 1912  | 4,493,000                  | 728,000                              |
|   | 1911  | 4,648,000                  | 730,400                              |
|   | 1910  | 4,487,000                  | 503,200                              |
|   | 1909  | 4,167,000                  | 856,000                              |
| Hyderabad.....  | 1914  | 3,605,000                  | 320,000                              |
|   | 1913  | 3,653,000                  | 320,000                              |
|   | 1912  | 2,888,000                  | 240,000                              |
|   | 1911  | 3,281,000                  | 240,000                              |
|   | 1910  | 3,582,000                  | 234,400                              |
|   | 1909  | 3,401,000                  | 308,800                              |
| Madras.....   | 1914  | 2,383,000                  | 258,400                              |
|   | 1913  | 2,725,000                  | 246,400                              |
|   | 1912  | 2,414,000                  | 376,800                              |
|   | 1911  | 2,878,000                  | 408,000                              |
|   | 1910  | 1,873,000                  | 188,000                              |
|   | 1909  | 1,569,000                  | 144,000                              |
| Punjab.....   | 1914  | 1,855,000                  | 379,200                              |
|   | 1913  | 2,053,000                  | 489,600                              |
|   | 1912  | 1,575,000                  | 298,400                              |
|   | 1911  | 1,582,000                  | 192,800                              |
|   | 1910  | 1,385,000                  | 244,800                              |
|   | 1909  | 1,436,000                  | 316,800                              |
| United Provinces.....   | 1914  | 1,545,000                  | 385,600                              |
|   | 1913  | 1,586,000                  | 387,200                              |
|   | 1912  | 1,158,000                  | 342,400                              |
|   | 1911  | 921,000                    | 200,800                              |
|   | 1910  | 1,347,000                  | 278,400                              |
|   | 1909  | 1,241,000                  | 307,200                              |
| Central India.....  | 1914  | 1,520,000                  | 233,600                              |
|   | 1913  | 1,426,000                  | 218,400                              |
|   | 1912  | 1,314,000                  | 161,800                              |
|   | 1911  | 1,400,000                  | 182,400                              |
|   | 1910  | 1,349,000                  | 189,600                              |
|   | 1909  | 1,068,000                  | 170,800                              |
| Baroda.....   | 1914  | 843,000                    | 183,200                              |
|   | 1913  | 749,000                    | 140,000                              |
|   | 1912  | 762,000                    | 156,800                              |
|   | 1911  | 665,000                    | 76,800                               |
|   | 1910  | 806,000                    | 107,200                              |
|   | 1909  | 675,000                    | 188,000                              |
| Rajputana.....  | 1914  | 420,000                    | 134,400                              |
|   | 1913  | 470,000                    | 105,600                              |
|   | 1912  | 393,000                    | 100,000                              |
|   | 1911  | 263,000                    | 58,400                               |
|   | 1910  | 465,000                    | 114,400                              |
|   | 1909  | 464,000                    | 118,400                              |
| Sind.....   | 1914  | 351,000                    | 96,800                               |
|   | 1913  | 341,000                    | 108,000                              |
|   | 1912  | 296,000                    | 98,400                               |
|   | 1911  | 346,000                    | 99,200                               |
|   | 1910  | 279,000                    | 77,600                               |
|   | 1909  | 214,000                    | 83,200                               |
| All other provinces.....  | 1914  | 701,000                    | 120,800                              |
|   | 1913  | 689,000                    | 116,800                              |
|   | 1912  | 671,000                    | 123,200                              |
|   | 1911  | 557,000                    | 102,400                              |
|   | 1910  | 515,000                    | 92,000                               |
|   | 1909  | 516,000                    | 74,400                               |

Climatic and soil conditions in the several cotton-growing districts in India vary perhaps more than in any other cotton-producing country. In some parts the rainfall is abundant, while in others irrigation is em-

ployed to some extent, and in still others is depended upon entirely for moisture. The seasons also vary greatly; for example, in October the cotton crop is being harvested in the north of India, while in the south planting is in progress. As a result, cotton is being picked somewhere in the country almost throughout the year.

## EGYPT.

The climate and soil of Egypt are peculiarly adapted to the production of high-grade varieties of cotton, and the supply of moisture, coming as it does from a usually dependable system of irrigation, can be regulated to the best advantage. The season for gathering, too, is practically ideal, not being marked by storms or rains, and but little unavoidable damage to the matured crop occurs.

The growth of cotton production in Egypt in modern times has been generally very gradual, and the cultivation of the superior staples which have given the country a distinguished position in the industry dates only from 1821. Prior to that time the production was negligible, so that the beginning of the industry itself may be properly given that date. In 1824 the exports of cotton exceeded 45,000 bales. By 1859 the crop had increased to approximately 100,000 bales. During the period of the American Civil War the curtailment of production in the United States, which stimulated cultivation in all other cotton-producing countries, effected a great change in the agricultural pursuits of Egypt. Improved methods of cotton culture were adopted and the acreage devoted to the crop largely increased. The price of cotton advanced to more than 50 cents per pound and the production in 1865 exceeded 400,000 bales. Naturally a reaction took place after the close of the war and the resumption of the culture in the United States. Following this reaction the quality of Egyptian cotton deteriorated so rapidly that spinners repeatedly complained and the planters faced the necessity of finding new and more desirable varieties. In this they were very successful, so that at the present day, the length, strength, and color of Egyptian cottons are characteristics of great value, while the uniformity of the fiber, due to the equality of growth, renders them, in manufacturing processes, subject to less waste than are many other kinds.

Table 22 shows the cotton acreage, production, and average yield per acre in Egypt for the last 19 years.

According to the reports of the Egyptian Government, the acreage devoted to cotton in 1914 was 1,990,000, an increase of 201,000 acres over the preceding year and the largest for any year covered by Table 22. The crop of 1914 is estimated at 1,384,000 bales of 500 pounds each, this amount being exceeded by the crops of the four preceding years and that of 1907.

TABLE 22.—COTTON ACREAGE, PRODUCTION, AND YIELD PER ACRE IN EGYPT: 1895 TO 1914.

[Compiled from reports of the Egyptian Survey Department.]

| YEAR.     | Acreage.  | PRODUCTION.                    |                                |
|-----------|-----------|--------------------------------|--------------------------------|
|           |           | Total<br>(500-pound<br>bales). | Average per<br>acre<br>(lbs.). |
| 1914..... | 1,822,000 | 1,384,000                      | 280                            |
| 1913..... | 1,789,000 | 1,496,000                      | 418                            |
| 1912..... | 1,787,000 | 1,492,000                      | 417                            |
| 1911..... | 1,776,000 | 1,463,000                      | 412                            |
| 1910..... | 1,664,000 | 1,504,000                      | 453                            |
| 1909..... | 1,619,000 | 1,000,000                      | 309                            |
| 1908..... | 1,703,000 | 1,337,000                      | 393                            |
| 1907..... | 1,664,000 | 1,433,000                      | 431                            |
| 1906..... | 1,564,000 | 1,377,000                      | 440                            |
| 1905..... | 1,620,000 | 1,181,000                      | 363                            |
| 1904..... | 1,491,000 | 1,251,000                      | 420                            |
| 1903..... | 1,383,000 | 1,289,000                      | 466                            |
| 1902..... | 1,321,000 | 1,157,000                      | 437                            |
| 1901..... | 1,297,000 | 1,292,000                      | 487                            |
| 1900..... | 1,277,000 | 1,077,000                      | 422                            |
| 1899..... | 1,197,000 | 1,291,000                      | 530                            |
| 1898..... | 1,164,000 | 1,107,000                      | 476                            |
| 1897..... | 1,172,000 | 1,296,000                      | 553                            |
| 1896..... | 1,091,000 | 1,165,000                      | 534                            |
| 1895..... | 1,015,000 | 1,041,000                      | 513                            |

## RUSSIA.

The production of cotton in the Russian Empire is confined almost exclusively to its Asiatic provinces in Turkestan and Transcaucasia. Some experiments have been made in the growing of cotton in the European provinces of Russia which border on the Black Sea, but the total amount produced there is very small. The following table, compiled from the data appearing in a bulletin of the Russian central cotton committee, gives comparative figures for both acreage and production for the crops of 1913 and 1914.

TABLE 23.—COTTON ACREAGE AND PRODUCTION IN RUSSIA, BY PROVINCES: 1913 AND 1914.

| DISTRICT.        | ACRES.    |           | 500-POUND BALES. |           |
|------------------|-----------|-----------|------------------|-----------|
|                  | 1914      | 1913      | 1914             | 1913      |
| Total.....       | 1,816,096 | 1,687,125 | 1,125,675        | 1,030,147 |
| Turkestan:       |           |           |                  |           |
| Ferghana.....    | 776,011   | 739,473   | 607,515          | 548,991   |
| Samarkand.....   | 96,369    | 85,420    | 72,200           | 68,826    |
| Bokhara.....     | 177,540   | 177,540   | 119,163          | 105,152   |
| Transcaspia..... | 151,740   | 122,965   | 60,765           | 62,759    |
| Syr-Daria.....   | 69,940    | 69,940    | 46,943           | 49,593    |
| Khiva.....       | 198,831   | 182,428   | 88,680           | 80,670    |
| Transcaucasia:   |           |           |                  |           |
| Erivan.....      | 107,600   | 102,220   | 43,330           | 49,555    |
| Elizavetpol..... | 142,570   | 134,500   | 45,934           | 47,305    |
| Baku.....        | 75,320    | 53,800    | 25,277           | 12,345    |
| Tiflis.....      | 14,795    | 13,450    | 5,778            | 4,226     |
| Kutais.....      | 5,380     | 5,380     | 1,084            | 722       |

The estimated production of cotton from the crop of 1914 is 1,125,675 bales of 500 pounds each, compared with 1,030,147 bales from the crop of 1913. Of the total for 1914, Turkestan contributed 1,004,272 bales and Transcaucasia 121,403 bales. Ferghana produced more than one-half the total for the country, the other Central Asiatic provinces contributing being Bokhara, Samarkand, Transcaspia, Syr-Daria, and Khiva. The soil and climate of these provinces



are well adapted to the cultivation of cotton. The summers are hot and long and the winters mild. As there is scarcely any rainfall during the growing season, irrigation is necessary. Any extension of the cotton-growing area depends almost entirely upon the construction and extension of irrigation works. For some years about one-half of the requirements of the Russian mills were supplied by Russian cotton, but with the extension of the culture it is probable that even a larger proportion is now being furnished.

## CHINA.

Cotton is produced extensively in many sections of China, but no accurate data as to the total amount are available. A considerable amount is consumed locally in the homes of the people, the quantity thus consumed being largely a matter of conjecture. The Ministry of Agriculture of the Republic of China has estimated the annual production of cotton in that country for the crops of 1909, 1910, and 1911 at 4,181,333 bales of 500 pounds each, while the crop of 1912 has been estimated by another authority at 5,333,000 bales. As indicated above, however, these estimates are largely conjectural. It is certain that there has been a tendency, at least in some sections, to increase the production, as the suppression of the trade in opium has made lands formerly devoted to the cultivation of the poppy available for other crops. Another influence tending to increase the production has been the high price of the staple in recent years, and the consequent demand from other countries for this product.

Reliable data as to the quantities of Chinese cotton exported and used in the Chinese spinning mills are available. In addition, large quantities of cotton are consumed in factories engaged in making wadding for clothes and other miscellaneous products, accurate information of the amount so used, however, not being available. An estimate from a reliable source places the quantity of Chinese cotton from the crop of 1914 which will enter commercial channels at 1,750,000 bales of 500 pounds each.

## BRAZIL.

The climate and soil of large areas in Brazil are well suited to the cultivation of cotton. The plant is indigenous to the country, and the aborigines were using the lint of the wild cotton tree for various purposes when the Europeans first visited the country. Nevertheless, the cultivation of the plant received comparatively little attention until the shortage in the supply from the United States during and following the Civil War greatly increased the price of the staple. In 1860 the exports of Brazilian cotton amounted to about 50,000 bales of 500 pounds each, and this figure practically measures that country's commercial production of cotton at that time, as the domestic mill consumption was a negligible quantity. By

1872 the exports had increased to the equivalent of 346,231 such bales, which remains the largest amount ever exported in a single year. A general decrease in the cultivation and exportation of cotton followed, and at the end of 1908 the exports had reached the low mark of 14,256 bales. This figure, however, is not indicative of the production of the country for that year, as the spinning and weaving of cotton in Brazil has developed to such an extent in the past 20 years that it is now the most important manufacturing industry in the country.<sup>1</sup> The mills depend almost entirely upon the home production for their raw material and consume by far the larger portion of the total quantity grown.

Efforts have been made in recent years to increase cotton cultivation in Brazil and place it upon a stable basis. In 1912 the exports of Brazilian cotton amounted to 73,960 bales, and in 1913 to 165,008 bales. A correspondent of the bureau has estimated the production in 1914 at 440,000 bales. With the development of better cultural methods and the improvement of transportation facilities, the production of cotton in Brazil may be expected to show considerable increase.

## MEXICO.

Accurate statistics as to the production of cotton in Mexico from the crop of 1904 are not available. It is generally believed that the normal crop is about 200,000 bales. The unsettled condition of the country during recent years, however, has undoubtedly greatly affected this culture, and the production for last year is placed at only 125,000 bales.

Cotton is cultivated in many parts of Mexico, but the greater portion is grown in the Laguna district, which includes portions of the states of Coahuila, Durango, and Chihuahua, where the production depends almost entirely upon irrigation. The staple produced in Mexico is strong and averages more than an inch in length.

When the factories are operating under normal conditions they consume practically the entire production and draw also upon the United States for a part of their requirements.

## PERU.

The production of cotton in Peru, while comparatively insignificant in quantity, has shown a rapid increase. In 1902 the crop amounted to 36,500 bales of 500 pounds each, and in 1909 to 107,316 bales.<sup>1</sup> Of this amount 95,411 bales were exported and 11,905 bales consumed in Peruvian mills, principally in the manufacture of the coarser grades of cloth. According to a report of Consul General Handley, the crop of 1913 was 110,000 bales and that of 1914, 103,000 bales.

<sup>1</sup> Cotton Goods in Latin America, by W. A. Graham Clark, special agent of the Department of Commerce.

The principal cotton-producing districts of Peru are located near the coast and are irrigated by waters from the Andes, brought in canals from the many rivers. Rains are almost unknown in these districts, although considerable moisture is supplied in the form of dews, which are unusually heavy. The soil is rich, and the average yield is not far from a bale to the acre.

#### TURKEY.

Under the stimulating effects of high prices the production of cotton in Turkey reached approximately 240,000 running bales in 1865. This was followed by reaction, and between 1870 and 1895 no production worthy of mention occurred. Since 1895, however, a new impetus has been given to the industry, and the production in 1912, according to the report of Mr. G. Die Ravndal, United States consul general at Constantinople, was estimated at 200,000 bales. The principal cotton-growing section, according to this report, is in the Cilician Plain, in the vicinity of Adana. Other cotton-growing districts are in Aidin, near Smyrna, and in Armenia, Palestine, and Mesopotamia.

The weight of the Turkish bale varies considerably in the several districts, and account must be taken of this in presenting figures of production. According to information received, the total production of commercial cotton in the country from the crop of 1914 was 114,000 bales of 500 pounds each.

#### PERSIA.

The conditions surrounding the cultivation of cotton in Asiatic Russia and in Turkey are also found in Persia. Irrigation is used for supplying the moisture, and when new land is brought under water advancement is made in this culture. The cotton produced is similar in character to that grown in Transcaucasia and in Turkestan, and is mostly exported to Russia, with which country transportation facilities have been provided. According to the report of Consul General Snodgrass at Moscow, there were 144,000 bales of cotton imported into Russia from central Asiatic countries, undoubtedly some cotton from Afghanistan being included in this amount. The bureau's correspondent estimated the production for 1914 at 127,000 bales. The year book for Persia seems to bear out this estimate.

#### OTHER COUNTRIES.

Cotton for mill consumption is also grown in a number of other countries and consideration must be given these in presenting a summary of the world's production. The conditions of soil and climate in some of these countries are so suited to cotton production that the handicaps of insufficient experienced labor and of inadequate transportation facilities will be overcome, and thus will be added to the world's

supply of cotton the production of large areas as yet undeveloped. However, because of local conditions, many of them must ever remain of small importance from the standpoint of the quantity of cotton produced. From the information available the total production of commercial cotton in all these countries was approximately 325,000 bales.

The West Indies furnished more than 70 per cent of the total British supply of cotton during the period from 1786 to 1790. While the total quantity was never large, the production in these islands fell off greatly after this date, although in recent years there has been somewhat of a revival in this culture. The relative increase may be great, but the total production will never reach large proportions.

Colombia and Venezuela produce cotton to a limited extent, a large part of the total being used in the mills located in these countries.

Argentina contains large areas suited to the cultivation of cotton, but the total production is very small. According to the report of Vice Consul Taylor at Buenos Aires, the production of cotton in 1914 was estimated at 12,000 metric tons, of which 276 tons were exported to Spain. A large portion of the domestic product is used in the manufacture of absorbent cotton.

Uruguay, according to a statement in the August, 1913, issue of the Pan-American Bulletin, has taken up the cultivation of cotton. There were 9,372 bales of cotton exported from Paysandu, a port on the Uruguay River. This represents only a part of the cotton exported from Uruguay, since most of the districts send their cotton to Montevideo by railroad.

Chosen (Korea) is showing rapid development in the growing of cotton. There are two kinds of cotton produced in that country, the native and that from American upland seed. The Japanese Government is fostering the cultivation of the American varieties in Chosen, with the purpose of making it less dependent upon foreign countries for its supply of raw cotton. The native product is too short to be used in manufacturing piece goods, and is used principally for cotton wadding for clothes and quilts. The entire crop of the American varieties is exported to Japan for manufacture into cloth. Consul General Miller, of Seoul, has reported that the native cotton grown in 1913 amounted to 29,465,751 pounds. According to this report the production of American varieties was 66 bales in 1906, 1,197 bales in 1909, 2,249 bales in 1910, 7,280 bales in 1911, 19,195 bales in 1912, 37,765 bales in 1913, and 62,413 bales in 1914.

Siam and French Indo-China are producing cotton on a larger scale than formerly. A part of the production is used in the mills located in these countries.

The Dutch East Indies and the Philippines grow some cotton, but it is improbable that the amounts will ever attain large proportions.

Australia has made some experiments in growing cotton, and large sections of the country appear to be suitable for this culture.

Greece has produced cotton for many years, the amount, however, being comparatively insignificant. With the annexation of the Turkish provinces there has been an increase in the total grown.

Bulgaria, Serbia, Italy, and Spain all produce small quantities of cotton, but the totals reported are inconsequential.

Practically all of the African subdivisions produce some cotton, the largest amounts of commercial cotton being produced in Uganda, German East Africa, and Nigeria. The British, French, and German cotton-growing associations, as well as a number of other organizations, have furnished seed, erected ginneries, and otherwise encouraged the production of cotton in the several dependencies. Notwithstanding these endeavors, the increase in the quantity of cotton available for export has been disappointingly small.

# SUPPLY AND DISTRIBUTION OF COTTON IN THE UNITED STATES.

The collection of statistics of cotton consumed and of cotton held was inaugurated by this bureau in 1905, in compliance with the joint resolution of Congress approved February 9, 1905, which authorized that these data be published as of the 12 months ending August 31. The joint resolution approved March 2, 1909, authorized the collection and publication of similar data for periods ending with August, October, December, and February, while the act of Congress approved July 22, 1912, required that statistics of this character be collected for each calendar month. In accordance with this legislation, yearly reports were published from 1905 to 1909, four periodical reports each year from 1909 to 1912, and monthly reports since September, 1912.

Formerly statistics of linters were included with those of cotton in making up the figures for the supply and distribution, and only since September 1, 1913, have data of linters exported been available, thus permitting the presentation of complete statistics of lint cotton separately.

For many years practically the entire crop had been moved into sight by August 31, and the stocks of cotton on that date were probably lower than at any other time during the year. Accordingly, the commercial bodies engaged in the compilation of cotton statistics selected this date as the close of the cotton year. However, because of the extension of cotton growing in southern Texas, and the increased use of commercial fertilizers, considerable portions of recent crops have been ginned prior to this date—in several years more than three-quarters of a million bales. Because of this condition it was decided at the conference of representatives of cotton exchanges and statistical bodies, held at Macon, Ga., in 1914, to change the commercial or cotton year from the 12 months ending August 31 to the 12 months ending July 31. Statistics of the movement of cotton compiled by these commercial bodies, accordingly, relate to the year beginning August 1. In order that the reports of cotton consumed, imported, exported, and on hand issued by the Census Bureau may be of the greatest value, and comparable with those of the various commercial bodies, they have been made to conform to the commercial cotton year since August 1, 1914. In this connection attention is called to the fact that the commercial

cotton crop, as compiled by the various exchanges, relates to cotton brought into sight during the 12 months ending with July 31; that is, cotton brought to ports and to stated interior towns during this period. Thus the commercial crop covers the movement of cotton to the centers and may be either greater or less than the actual crop, depending on whether the quantity of cotton on plantations and in uncounted towns is larger or smaller than at the beginning of the year. The census method of computing the cotton crop does not depend on the movement, since the data relate to the quantity of cotton actually ginned, reports being secured from all ginneries.

Table 24, which summarizes under certain general headings the statistics for the supply and distribution of cotton in the United States, has accordingly been prepared to cover the year ending July 31, 1915. Table 25 gives comparative statistics for the supply and distribution of cotton since the inauguration of these reports by the Bureau of the Census. The statistics in this table include both cotton and linters. As just explained, complete data for the distribution of cotton for years ending July 31 are not available, and the statistics given all relate to the year ending August 31, with the exception of those for 1915, which cover the year ending July 31. The data for the month of August, 1914, are duplicated in this and other comparative tables, and are included in the figures for both 1914 and 1915. Detailed figures for the various items making up the distribution of cotton are presented in the succeeding tables.

For the year ending July 31, 1915, the supply of cotton in the United States amounted to 17,892,928 bales, and of linters 1,059,742 bales, making a total for cotton and linters combined of 18,952,670 bales. This is the largest amount for any 12 months shown in the table, exceeding that for 1912, the next largest, by 1,056,444 bales. The extent of the supply for any season of course depends almost entirely on the gin-ning during the year, this item being the most important one in making up the total. As a result, the differences in the supply of cotton for the years shown practically represent the variations in the crops produced in the United States, since the differences in stocks carried forward and in net imports are too small as a rule to affect the totals materially.

## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 24.—SUPPLY AND DISTRIBUTION OF COTTON, EXCLUSIVE OF LINTERS, IN THE UNITED STATES, FOR THE YEAR ENDING JULY 31, 1915.

(Quantities are given in running bales, except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales.)

|                                     |       | <i>S U P P L Y.</i> |             | <i>Bales.</i> |
|-------------------------------------|-------|---------------------|-------------|---------------|
| Aggregate                           | ----- |                     |             | 17, 891, 154  |
| On hand at beginning of year, total | ----- |                     |             | 1, 365, 864   |
| In consuming establishments, total  | ----- |                     | 905, 762    |               |
| In cotton-growing states            | ----- |                     | 326, 953    |               |
| In all other states                 | ----- |                     | 578, 809    |               |
| In public storage and at compresses | ----- |                     | 425, 102    |               |
| Elsewhere (estimated)               | ----- |                     | 35, 000     |               |
| Net imports                         | ----- |                     |             | 363, 595      |
| Ginnings (crop of 1914)             | ----- |                     |             | 15, 905, 840  |
| To balance distribution             | ----- |                     |             | 255, 855      |
| <i>D I S T R I B U T I O N.</i>     |       |                     |             |               |
| Aggregate                           | ----- |                     |             | 17, 891, 154  |
| Exported                            | ----- |                     |             | 8, 322, 688   |
| Consumed, total                     | ----- |                     |             | 5, 597, 362   |
| In cotton-growing states            | ----- |                     | 3, 026, 969 |               |
| In all other states                 | ----- |                     | 2, 570, 393 |               |
| Destroyed by fire                   | ----- |                     |             | 35, 000       |
| On hand at end of year, total       | ----- |                     |             | 3, 936, 104   |
| In consuming establishments, total  | ----- |                     | 1, 401, 185 |               |
| In cotton-growing states            | ----- |                     | 577, 201    |               |
| In all other states                 | ----- |                     | 823, 984    |               |
| In public storage and at compresses | ----- |                     | 1, 784, 919 |               |
| Elsewhere (estimated)               | ----- |                     | 750, 000    |               |

TABLE 25.—SUPPLY AND DISTRIBUTION OF COTTON AND LINTERS IN THE UNITED STATES: 1906 TO 1915.

[The statistics for 1915 relate to the 12 months ending July 31, and those for prior years to the 12 months ending Aug. 31. Quantities are given in running bales, except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales.]

|                                     | 1915       | 1914       | 1913       | 1912       | 1911       | 1910       | 1909       | 1908       | 1907       | 1906       |
|-------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>S U P P L Y.</i>                 |            |            |            |            |            |            |            |            |            |            |
| Aggregate                           | 18,953,660 | 16,492,408 | 16,275,734 | 17,896,226 | 13,873,423 | 12,188,021 | 15,312,885 | 13,358,707 | 15,025,720 | 13,047,219 |
| On hand at beginning of year, total | 1,577,448  | 1,648,438  | 1,776,885  | 1,375,031  | 1,040,040  | 1,483,585  | 1,236,058  | 1,514,567  | 1,349,139  | 1,934,548  |
| In consuming establishments, total  | 989,980    | 778,158    | 870,646    | 542,191    | 533,232    | 907,097    | 594,184    | 1,016,738  | 680,471    | 776,801    |
| In cotton-growing states            | 347,664    | 234,509    | 241,611    | 101,114    | 121,349    | 186,458    | 112,471    | 311,307    | 184,060    | 232,928    |
| In all other states                 | 642,316    | 543,649    | 629,035    | 441,077    | 411,883    | 720,639    | 481,713    | 705,431    | 496,411    | 543,873    |
| In public storage and at compresses | 457,468    | 495,280    | 556,239    | 432,840    | 306,808    | 325,099    | 444,626    | 388,919    |            |            |
| Elsewhere (estimated)               | 130,000    | 375,000    | 350,000    | 400,000    | 200,000    | 251,389    | 197,248    | 108,910    | 668,668    | 1,157,747  |
| Net imports                         | 363,595    | 265,646    | 225,460    | 229,268    | 231,191    | 151,395    | 165,451    | 140,869    | 202,733    | 133,464    |
| Ginnings                            | 16,738,241 | 14,290,320 | 14,159,678 | 16,068,936 | 12,884,248 | 10,350,978 | 13,418,144 | 11,527,833 | 13,097,992 | 10,656,498 |
| To balance distribution             | 274,370    | 288,004    | 114,311    | 222,991    | 217,044    | 202,063    | 493,232    | 175,438    | 375,856    | 322,709    |
| <i>D I S T R I B U T I O N.</i>     |            |            |            |            |            |            |            |            |            |            |
| Aggregate                           | 18,953,660 | 16,492,408 | 16,275,734 | 17,896,226 | 13,873,423 | 12,188,021 | 15,312,885 | 13,358,707 | 15,025,720 | 13,047,219 |
| Exported                            | 8,544,563  | 8,914,839  | 8,800,966  | 10,681,758 | 7,781,414  | 6,339,028  | 8,574,024  | 7,573,349  | 8,503,265  | 6,763,041  |
| Consumed, total                     | 6,009,207  | 5,884,733  | 5,786,230  | 5,367,583  | 4,704,678  | 4,798,953  | 5,240,719  | 4,539,090  | 4,984,936  | 4,909,279  |
| In cotton-growing states            | 3,193,353  | 3,023,415  | 2,960,518  | 2,712,223  | 2,328,487  | 2,292,353  | 2,553,797  | 2,187,096  | 2,410,993  | 2,373,577  |
| In all other states                 | 2,815,854  | 2,861,318  | 2,825,712  | 2,655,360  | 2,376,191  | 2,506,620  | 2,686,922  | 2,351,943  | 2,573,943  | 2,535,702  |
| Destroyed by fire                   | 35,000     | 45,000     | 40,000     | 70,000     | 12,000     | 10,000     | 14,557     | 10,210     | 22,952     | 25,760     |
| On hand at end of year, total       | 4,364,890  | 1,647,836  | 1,648,438  | 1,776,885  | 1,375,031  | 1,483,585  | 1,236,058  | 1,514,567  | 1,349,139  | 1,934,548  |
| In consuming establishments, total  | 1,600,090  | 751,219    | 778,158    | 542,191    | 533,232    | 907,097    | 594,184    | 1,016,738  | 680,471    | 776,801    |
| In cotton-growing states            | 673,731    | 213,418    | 234,509    | 241,611    | 101,114    | 121,349    | 186,458    | 112,471    | 311,307    | 184,060    |
| In all other states                 | 926,359    | 537,801    | 543,649    | 441,077    | 411,883    | 720,639    | 481,713    | 705,431    | 496,411    | 543,873    |
| In public storage and at compresses | 1,874,800  | 576,617    | 495,280    | 556,239    | 432,840    | 306,808    | 325,099    | 444,626    | 388,919    |            |
| Elsewhere (estimated)               | 890,000    | 320,000    | 375,000    | 350,000    | 400,000    | 200,000    | 251,389    | 197,248    | 108,910    | 668,668    |

Of the total supply of cotton for 1915, as shown in Table 24, 5,632,362 bales, or 31.5 per cent, including the quantity destroyed by fire, was consumed in this country; 8,322,688 bales, or 46.5 per cent, was exported; while 3,936,104 bales, or 22 per cent, remained in the country at the close of the year. The mill consumption of cotton and linters in the United States for 1915, as shown in Table 25, was the largest in the history of the country, exceeding that for 1914, the next largest, by 124,474 bales, and exceeding the

average for the nine years preceding 1915 by 874,029 bales. The exports, while large, have been exceeded by those of several other years.

The stocks of cotton in the United States at the close of July, 1915, amounted to 3,936,104 bales, and of linters to 428,786 bales, a total of 4,364,890 bales. This amount is more than twice as large as that shown for any previous year. Those held in consuming establishments amounted to 1,600,090 bales, being 583,352 bales more than the quantity so held in 1907 (1,016,738), which was the next largest amount for any year since the inauguration of these reports. On the basis of the consumption during the past year, the stocks held in consuming establishments July 31, 1915, represent about a three months' supply for the American cotton mills.

#### METHOD OF COLLECTING AND ASSEMBLING DATA.

The data relative to cotton ginned have been collected by local agents of the Census Bureau who canvassed the ginneries and delinters. Information as to cotton and linters consumed, stocks held in consuming establishments, and stocks in public storage and at compresses has been secured by these same local agents in the cotton-growing states; in all other states it has been obtained by correspondence. Stocks at ports, generally known as "port stocks," are included in the census reports as stocks held in consuming establishments, in public storage and at compresses, and elsewhere, respectively. The statistics of imports and exports have been compiled by the Bureau of Foreign and Domestic Commerce, Department of Commerce.

The supply of cotton for the year comprises the stocks held at the beginning of the year, together with the net imports of cotton and the amount of cotton ginned.

The statistics showing the distribution of the supply give the quantity of cotton used in manufacture during the year, the amount destroyed by fire, that exported, and stocks in the country at the close of the year. The total for stocks held is made up of the quantity in consuming establishments, both in the cotton-growing states and in all other states, that held in public storage and at compresses, and the estimated amount held elsewhere.

To secure complete data regarding stocks of cotton it would be necessary to canvass all agencies which handle cotton. There are approximately 2,000,000 growers, 25,000 ginneries, 3,200 public storage places, and 2,100 cotton-consuming establishments. In addition, there are numerous transportation companies, local buyers, merchants, and others who handle more or less cotton during the season. It is manifestly impracticable to obtain monthly reports from so many agencies, and the Bureau of the Census has, therefore, adopted the plan of securing individual reports of the quantity of cotton consumed during each month and of stocks on hand in consuming establishments and in

independent warehouses, compresses, and other public storage places at the end of the month.

In order to present a comprehensive statement of the distribution of the supply of cotton, however, it is necessary to include the item of stocks held "elsewhere"—that is, the quantity of baled cotton in the actual possession of merchants, buyers, ginneries, transportation companies, and producers, mentioned above as not having been canvassed. Full consideration has been given to all the factors entering into the situation in arriving at the quantity of baled cotton so held, and the amount has been estimated at 750,000 bales. This quantity, while conjectural, is believed to be approximately correct.

The supply of cotton for the season of 1914-15, as computed from the stocks at the beginning of the year and the imports and the ginnings during the year, falls short 255,855 bales of the total quantity consumed in manufacture, destroyed by fire, exported, and held as stocks at the end of the year, and this amount is accordingly entered in the table under the heading, "To balance distribution."

It is to be expected that the figures for the total supply, as thus computed, will not equal those for the total distribution, as numerous conditions affect these data. Among the factors responsible for this difference may be named the following: (1) The inclusion of rebaled samples, commonly called "city crop," in the statistics of distribution; (2) the lack of uniformity on the part of manufacturers and others in returning stocks; and (3) an understatement by ginneries of the quantity of cotton produced, due largely to their inability to make accurate estimates at the time of the March canvass of the quantity of cotton remaining to be ginned. It is impossible to state, with any degree of accuracy, how much any one of these factors contributes to the difference. The amount due to each, no doubt, varies in different seasons, but a considerable part of the difference between the figures for supply and those for distribution in any season is certainly attributable to the first-named cause. Between the time a bale of cotton leaves the gin and the time it reaches the consumer it is "sampled" a number of times—that is, small quantities of the fiber are extracted from the bale by successive bidders for use in determining its grade and value. These samples, with other cotton from time to time separated from the original packages, are rebaled, and the bales are counted in the statistics of exports, consumption, and stocks. Statistics of supply based upon an enumeration of the bales at the ginneries before any samples have been removed show, therefore, a smaller number of bales than the statistics of exports, consumption, and stocks on hand combined, although there is present in each case the same amount of cotton. The amount of this rebaled cotton varies in different seasons with the size of the crop and because of other conditions.



## IMPORTS OF COTTON.

Practically the entire quantity of cotton consumed in the United States is produced in the country, only small quantities for special purposes being imported.

Foreign cotton imported into the United States is frequently reshipped at intermediate points, and, in some instances, is counted as imported from the country of reshipment. There has been a demand for information regarding the country of origin, and the Bureau of Foreign and Domestic Commerce has accordingly arranged to furnish this information. The following table shows the monthly imports of cotton, by countries of production, from September, 1912, to July, 1915, inclusive:

TABLE 26.—TOTAL IMPORTS OF COTTON, BY COUNTRIES OF PRODUCTION, FOR EACH MONTH FROM SEPTEMBER, 1912, TO JULY, 1915, INCLUSIVE.

| MONTH.         | Year. | IMPORTS OF FOREIGN COTTON (EQUIVALENT 500-POUND BALES). |              |        |       |        |         |                      |
|----------------|-------|---|--------------|--------|-------|--------|---------|----------------------|
|                |       | Total.  | Produced in— |        |       |        |         |                      |
|                |       |   | Egypt.       | China. | Peru. | India. | Mexico. | All other countries. |
| September..... | 1914  | 15,315  | 8,912        | 1,201  | 516   | 211    | 4,405   | 70                   |
|                | 1913  | 7,449   | 4,000        | 413    | 1,328 | 719    | 983     | 6                    |
|                | 1912  | 8,930   | 7,710        | 106    | 630   | 433    | 21      | 30                   |
| October.....   | 1914  | 12,150  | 6,464        | 1,031  | 302   | 353    | 3,845   | 155                  |
|                | 1913  | 5,569   | 2,119        | 751    | 1,410 | 266    | 1,014   | .....                |
|                | 1912  | 10,571  | 6,522        | 3,042  | 567   | 345    | 53      | 37                   |
| November.....  | 1914  | 13,454  | 7,360        | 1,336  | 951   | .....  | 3,686   | 91                   |
|                | 1913  | 7,281   | 2,404        | 282    | 1,523 | 157    | 2,898   | 17                   |
|                | 1912  | 9,452   | 7,905        | 471    | 867   | 151    | 3       | 55                   |
| December.....  | 1914  | 32,263  | 25,526       | 731    | 765   | 130    | 5,120   | 21                   |
|                | 1913  | 15,815  | 11,888       | 67     | 1,324 | 655    | 1,635   | 246                  |
|                | 1912  | 24,846  | 21,548       | 1,730  | 1,481 | .....  | 72      | 15                   |
| January.....   | 1915  | 39,229  | 30,951       | 2,150  | 1,415 | .....  | 4,713   | .....                |
|                | 1914  | 19,624  | 11,341       | 503    | 882   | 155    | 6,708   | 30                   |
|                | 1913  | 52,022  | 47,093       | 3,132  | 1,586 | 44     | 160     | 2                    |
| February.....  | 1915  | 28,727  | 18,697       | 1,497  | 971   | 773    | 6,771   | 18                   |
|                | 1914  | 20,771  | 11,362       | 3,602  | 1,426 | 951    | 3,361   | 69                   |
|                | 1913  | 34,039  | 29,899       | 2,457  | 1,367 | .....  | 316     | .....                |
| March.....     | 1915  | 38,534  | 31,551       | 2,426  | 1,264 | 158    | 3,135   | .....                |
|                | 1914  | 30,863  | 17,096       | 5,103  | 886   | 70     | 7,556   | 147                  |
|                | 1913  | 27,889  | 23,028       | 1,051  | 946   | 2,505  | 97      | 262                  |
| April.....     | 1915  | 54,479  | 46,285       | 1,932  | 1,078 | 339    | 4,845   | .....                |
|                | 1914  | 32,917  | 26,860       | 1,583  | 791   | 1,177  | 2,346   | 155                  |
|                | 1913  | 20,776  | 16,377       | 3,082  | 797   | .....  | .....   | 520                  |
| May.....       | 1915  | 46,173  | 28,399       | 4,189  | 1,000 | 532    | 12,085  | 58                   |
|                | 1914  | 49,114  | 20,716       | 2,161  | 1,039 | 1,543  | 14,506  | 149                  |
|                | 1913  | 13,820  | 11,764       | 518    | 461   | 1      | .....   | 1,076                |
| June.....      | 1915  | 39,178  | 20,154       | 4,235  | 1,314 | 2,641  | 10,728  | 106                  |
|                | 1914  | 49,010  | 11,938       | 2,122  | 1,010 | 477    | 33,440  | 23                   |
|                | 1913  | 8,919   | 6,622        | 617    | 572   | .....  | .....   | 203                  |
| July.....      | 1915  | 35,667  | 23,835       | 2,917  | 188   | 1,557  | 6,785   | 385                  |
|                | 1914  | 23,790  | 13,302       | 3,358  | 442   | 865    | 5,809   | 34                   |
|                | 1913  | 9,496   | 7,049        | 1,303  | 906   | 80     | .....   | 158                  |
| August.....    | 1914  | 27,087  | 4,329        | 1,936  | 559   | 1,151  | 19,062  | .....                |
|                | 1913  | 7,785   | 5,533        | 832    | 557   | 814    | 29      | .....                |

The total quantity of cotton imported into the United States during the year ending July 31, 1915, amounted to 382,286 equivalent bales of 500 pounds each. During the year 18,691 bales of foreign cotton were reexported, making the net imports 363,595 bales.

Nearly all of the imported cotton consumed in this country is Egyptian, which is used principally for mercerizing and in the manufacture of thread, knit goods, and lace. During the past year 85,180 bales of Mexican cotton were imported. This large amount, as well as that for the preceding year, may be attributed to the disturbed conditions existing in Mexico, inasmuch as Mexican mills had previously required practically the entire production of the country. However, the quantity brought into the United States last year constituted a large part of the year's crop. As this cotton has practically the same characteristics as American cotton, much of it lost its Mexican identity and was included in the reports of consumption and of exports as domestic cotton. It is probable that as much as 80,000 bales has been so reported, although properly belonging under foreign cotton consumed or foreign cotton exported. At a number of border points, also, Mexican seed cotton is brought into the United States for ginning. The quantity of this cotton aggregated more than 20,000 bales during the season of 1914-15, the greater part of it being produced in the Imperial Valley in Lower California.

The importation of Chinese cotton during the year amounted to 25,631 bales. This cotton is distinctly of a lower grade than the average American and is used to some extent for mixing with the higher priced domestic cotton. During the year 10,353 bales of Peruvian cotton were imported. This was almost entirely "rough Peruvian," which is found so desirable for mixing with wool in the manufacture of woolen goods. Smaller amounts of cotton were also imported from a number of other countries, among which are Santo Domingo and Haiti.

## COTTON MANUFACTURING IN THE UNITED STATES.

Table 27 presents comparative statistics, by states, for the years 1911 to 1915, as to the number of cotton spindles, both total and active, the number of spindles consuming cotton mixed with other fibers, the quantity of domestic and foreign cotton consumed during the cotton year, and the quantity of domestic and foreign cotton held in consuming establishments on that date. It also shows the quantity of linters consumed and held.

## SUPPLY AND DISTRIBUTION OF COTTON IN UNITED STATES.

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TABLE 27.—SPINDLES, RAW COTTON AND LINTERS CONSUMED, AND STOCKS HELD IN CONSUMING ESTABLISHMENTS, BY STATES: 1911 TO 1915.

[The statistics for 1915 relate to the 12 months ending July 31, and those for prior years to the 12 months ending Aug. 31.]

| STATE.             | Year ending Aug. 31. | COTTON SPINDLES. |            | Spindles consuming cotton mixed with other fibers. | COTTON (EXCLUSIVE OF LINTERS). |           |          |  |           |          | LINTERS.          |  |
|--------------------|----------------------|------------------|------------|--|--------------------------------|-----------|----------|--|-----------|----------|-------------------|--|
|                    |                      | Total.           | Active.    |  | Consumed (bales).              |           |          | Stocks in consuming establishments at end of year (bales). |           |          | Consumed (bales). | Stocks in consuming establishments at end of year (bales). |
|                    |                      |                  |            |  | Total.                         | Domestic. | Foreign. | Total.   | Domestic. | Foreign. |                   |  |
| United States..... | 1915                 | 32,840,730       | 31,964,235 | 394,505  | 5,597,362                      | 5,375,805 | 222,057  | 1,401,185  | 1,292,403 | 108,782  | 411,845           | 198,905  |
|                    | 1914                 | 32,744,012       | 32,107,572 | 414,058  | 5,577,408                      | 5,383,099 | 194,309  | 675,873  | 611,724   | 64,149   | 307,325           | 75,316   |
|                    | 1913                 | 32,149,617       | 31,519,766 | 451,733  | 5,483,321                      | 5,250,392 | 232,929  | 717,704  | 637,725   | 79,979   | 303,009           | 60,454   |
|                    | 1912                 | 31,582,679       | 30,578,528 | 500,206  | 5,120,346                      | 4,921,683 | 207,663  | 818,024  | 733,248   | 84,776   | 238,237           | 52,022   |
|                    | 1911                 | 30,803,662       | 29,522,597 | 456,242  | 4,498,417                      | 4,322,987 | 175,430  | 498,769  | 417,345   | 81,424   | 206,561           | 43,422   |
| Alabama.....       | 1915                 | 1,075,859        | 1,028,036  | .....  | 297,277                        | 297,226   | 48       | 59,681   | 59,583    | 48       | 4,268             | 672  |
|                    | 1914                 | 1,058,685        | 1,020,100  | .....  | 287,335                        | 287,096   | 289      | 17,433   | 17,340    | 93       | 6,027             | 1,328  |
|                    | 1913                 | 1,000,080        | 993,580    | .....  | 294,420                        | 294,122   | 298      | 23,106   | 23,079    | 27       | 5,501             | 753  |
|                    | 1912                 | 985,968          | 960,416    | .....  | 262,514                        | 262,109   | 435      | 21,647   | 21,512    | 135      | 4,645             | 578  |
|                    | 1911                 | 967,564          | 897,414    | .....  | 233,027                        | 232,511   | 486      | 10,442   | 10,329    | 113      | 14,152            | 639  |
| Arkansas.....      | 1915                 | 7,348            | 7,348      | .....  | 3,119                          | 3,119     | .....    | 587  | 587       | .....    | 5,654             | 542  |
|                    | 1914                 | 13,808           | 6,808      | .....  | 2,964                          | 2,964     | .....    | 158  | 158       | .....    | 6,014             | 529  |
|                    | 1913                 | 13,808           | 6,808      | .....  | 3,096                          | 3,096     | .....    | 138  | 138       | .....    | 4,799             | 369  |
|                    | 1912                 | 13,674           | 6,674      | .....  | 3,041                          | 3,041     | .....    | 171  | 171       | .....    | 3,136             | 823  |
|                    | 1911                 | 14,324           | 6,814      | .....  | 2,158                          | 2,158     | .....    | 253  | 253       | .....    | 4,365             | 574  |
| Connecticut.....   | 1915                 | 1,335,282        | 1,319,926  | 44,768   | 132,701                        | 114,285   | 18,416   | 47,142   | 36,612    | 10,330   | 22,375            | 21,141   |
|                    | 1914                 | 1,340,482        | 1,317,203  | 45,708   | 134,839                        | 119,221   | 15,618   | 36,036   | 28,024    | 7,412    | 17,015            | 8,105  |
|                    | 1913                 | 1,308,650        | 1,276,832  | 45,908   | 126,948                        | 105,225   | 21,723   | 39,165   | 31,581    | 7,584    | 18,529            | 7,761  |
|                    | 1912                 | 1,307,907        | 1,249,593  | 44,076   | 125,198                        | 105,448   | 19,750   | 33,512   | 24,758    | 8,754    | 17,547            | 6,503  |
|                    | 1911                 | 1,270,071        | 1,257,827  | 45,239   | 114,587                        | 99,554    | 15,033   | 31,696   | 20,060    | 11,636   | 14,404            | 4,156  |
| Georgia.....       | 1915                 | 2,178,573        | 2,148,133  | 11,610   | 659,853                        | 654,287   | 5,566    | 160,280  | 156,287   | 3,993    | 13,373            | 5,092  |
|                    | 1914                 | 2,160,571        | 2,130,840  | 11,610   | 632,332                        | 629,425   | 2,907    | 33,984   | 32,411    | 1,523    | 18,340            | 4,334  |
|                    | 1913                 | 2,103,018        | 2,071,910  | 11,610   | 631,081                        | 627,693   | 3,388    | 37,853   | 35,981    | 2,172    | 17,030            | 3,840  |
|                    | 1912                 | 2,025,288        | 1,945,772  | 16,608   | 548,597                        | 544,647   | 3,920    | 36,811   | 35,580    | 225      | 15,859            | 2,702  |
|                    | 1911                 | 1,980,813        | 1,882,749  | 6,792  | 475,139                        | 473,455   | 1,684    | 16,081   | 14,638    | 1,443    | 13,599            | 2,018  |
| Illinois.....      | 1915                 | 58,168           | 56,568     | 1,069  | 11,010                         | 10,922    | 88       | 3,405  | 3,368     | 37       | 27,467            | 4,891  |
|                    | 1914                 | 58,168           | 56,568     | 1,069  | 10,938                         | 10,867    | 71       | 1,322  | 1,292     | 30       | 23,021            | 4,584  |
|                    | 1913                 | 52,824           | 50,957     | 3,000  | 10,205                         | 10,159    | 46       | 1,425  | 1,412     | 13       | 26,886            | 2,179  |
|                    | 1912                 | 48,444           | 48,444     | 3,000  | 8,100                          | 8,071     | 29       | 1,528  | 1,519     | 9        | 19,731            | 2,054  |
|                    | 1911                 | 43,404           | 43,404     | 600  | 9,019                          | 8,951     | 68       | 567  | 545       | 12       | 7,579             | 546  |
| Indiana.....       | 1915                 | 94,032           | 85,816     | 6,695  | 18,969                         | 18,905    | 64       | 7,069  | 7,018     | 51       | 8,073             | 3,661  |
|                    | 1914                 | 94,032           | 86,032     | 6,461  | 16,941                         | 16,885    | 76       | 2,279  | 2,250     | 29       | 5,850             | 1,140  |
|                    | 1913                 | 94,032           | 90,032     | 5,649  | 17,350                         | 17,290    | 60       | 3,927  | 3,915     | 12       | 5,678             | 719  |
|                    | 1912                 | 130,656          | 91,656     | 6,890  | 18,413                         | 18,384    | 29       | 2,617  | 2,602     | 15       | 3,882             | 665  |
|                    | 1911                 | 127,674          | 72,351     | 5,540  | 11,442                         | 11,399    | 43       | 934  | 932       | 2        | 2,993             | 534  |
| Kentucky.....      | 1915                 | 93,828           | 93,828     | .....  | 25,498                         | 25,498    | .....    | 7,830  | 7,830     | .....    | 4,188             | 2,332  |
|                    | 1914                 | 97,759           | 97,759     | .....  | 24,657                         | 24,657    | .....    | 2,724  | 2,724     | .....    | 2,844             | 803  |
|                    | 1913                 | 96,140           | 94,936     | .....  | 24,453                         | 24,453    | .....    | 2,545  | 2,545     | .....    | 2,257             | 691  |
|                    | 1912                 | 93,628           | 92,424     | .....  | 25,033                         | 25,033    | .....    | 2,939  | 2,939     | .....    | 2,305             | 841  |
|                    | 1911                 | 96,956           | 96,956     | 5,000  | 17,268                         | 17,253    | 15       | 1,400  | 1,400     | .....    | 1,744             | 318  |
| Louisiana.....     | 1915                 | 79,793           | 56,105     | .....  | 26,753                         | 26,753    | .....    | 171  | 171       | .....    | 1,822             | 222  |
|                    | 1914                 | 86,095           | 38,764     | .....  | 15,992                         | 15,992    | .....    | 221  | 221       | .....    | 2,324             | 337  |
|                    | 1913                 | 86,095           | 36,683     | .....  | 13,545                         | 13,545    | .....    | 70   | 70        | .....    | 2,500             | 250  |
|                    | 1912                 | 86,088           | 36,676     | .....  | 12,954                         | 12,954    | .....    | 170  | 170       | .....    | 2,197             | 93   |
|                    | 1911                 | 86,588           | 37,676     | .....  | 8,758                          | 8,758     | .....    | 15   | 15        | .....    | 1,712             | 191  |
| Maine.....         | 1915                 | 1,104,209        | 1,079,503  | 10,628   | 176,088                        | 172,632   | 3,456    | 53,018   | 50,303    | 2,715    | 168               | 21   |
|                    | 1914                 | 1,117,228        | 1,112,716  | 13,504   | 181,262                        | 178,332   | 2,930    | 27,173   | 25,481    | 1,692    | 61                | 12   |
|                    | 1913                 | 1,096,986        | 1,078,394  | 11,952   | 175,240                        | 172,748   | 2,497    | 27,758   | 26,571    | 1,187    | 31                | 11   |
|                    | 1912                 | 1,052,674        | 1,047,466  | 16,376   | 160,537                        | 161,381   | 2,156    | 30,072   | 23,083    | 689      | 13                | 2  |
|                    | 1911                 | 1,066,552        | 1,040,932  | 13,168   | 151,572                        | 149,876   | 1,696    | 25,000   | 23,504    | 1,496    | 23                | 4  |
| Maryland.....      | 1915                 | 157,380          | 142,113    | .....  | 69,917                         | 69,912    | 5        | 7,280  | 7,279     | 1        | 1,441             | 212  |
|                    | 1914                 | 166,240          | 155,968    | 9,000  | 65,257                         | 65,257    | .....    | 4,333  | 4,333     | .....    | 1,271             | 214  |
|                    | 1913                 | 162,288          | 154,215    | 9,000  | 72,496                         | 72,496    | .....    | 4,446  | 4,446     | .....    | 1,093             | 162  |
|                    | 1912                 | 158,168          | 128,546    | 9,000  | 68,842                         | 68,842    | .....    | 6,009  | 6,009     | .....    | 862               | 83   |
|                    | 1911                 | 160,114          | 140,514    | .....  | 57,096                         | 57,096    | .....    | 2,153  | 2,153     | .....    | 706               | 93   |
| Massachusetts..... | 1915                 | 10,914,087       | 10,635,001 | 45,860   | 1,282,937                      | 1,164,855 | 118,082  | 401,497  | 351,250   | 50,238   | 20,583            | 16,138   |
|                    | 1914                 | 11,046,990       | 10,885,303 | 36,960   | 1,317,778                      | 1,252,481 | 95,297   | 229,734  | 205,222   | 24,512   | 9,359             | 2,026  |
|                    | 1913                 | 11,075,684       | 10,904,016 | 53,456   | 1,324,955                      | 1,193,729 | 131,226  | 248,701  | 207,967   | 40,734   | 7,957             | 1,356  |
|                    | 1912                 | 11,066,846       | 10,822,771 | 61,904   | 1,254,752                      | 1,136,026 | 118,726  | 309,960  | 263,099   | 46,861   | 9,265             | 3,090  |
|                    | 1911                 | 10,613,290       | 10,166,348 | 53,558   | 1,133,919                      | 1,088,197 | 95,722   | 219,412  | 178,587   | 40,875   | 10,426            | 1,399  |
| Mississippi.....   | 1915                 | 184,636          | 124,658    | .....  | 32,386                         | 32,386    | .....    | 3,263  | 3,263     | .....    | (1)               | (1)  |
|                    | 1914                 | 190,216          | 137,508    | .....  | 30,855                         | 30,855    | .....    | 1,387  | 1,387     | .....    | 991               | 286  |
|                    | 1913                 | 192,306          | 133,788    | .....  | 31,993                         | 31,993    | .....    | 1,431  | 1,431     | .....    | 1,290             | 36   |
|                    | 1912                 | 191,082          | 132,706    | .....  | 30,302                         | 30,302    | .....    | 2,194  | 2,194     | .....    | 857               | 86   |
|                    | 1911                 | 183,662          | 124,272    | .....  | 24,770                         | 24,770    | .....    | 959  | 959       | .....    | 949               | 98   |
| New Hampshire..... | 1915                 | 1,468,399        | 1,456,740  | 30,128   | 297,040                        | 282,692   | 14,348   | 97,856   | 94,114    | 3,742    | .....             | .....  |
|                    | 1914                 | 1,466,580        | 1,454,144  | 32,082   | 300,881                        | 285,968   | 14,913   | 64,248   | 60,170    | 4,078    | .....             | .....  |
|                    | 1913                 | 1,469,137        | 1,458,115  | 28,728   | 305,862                        | 295,630   | 10,232   | 58,412   | 53,207    | 5,205    | 5                 | .....  |
|                    | 1912                 | 1,453,778        | 1,445,161  | 33,436   | 294,989                        | 287,144   | 7,845    | 78,129   | 74,940    | 3,189    | 106               | 9  |
|                    | 1911                 | 1,462,788        | 1,441,423  | 29,287   | 259,418                        | 250,825   | 8,593    | 47,603   | 43,479    | 4,124    | 40                | 10   |
| New Jersey.....    | 1915                 | 431,255          | 465,003    | 5,520  | 57,004                         | 39,644    | 17,360   | 19,918   | 11,197    | 8,721    | 31,473            | 31,186   |
|                    | 1914                 | 477,779          | 469,885    | 10,326   | 57,380                         | 39,448    | 17,932   | 17,558   | 8,174     | 9,384    | 16,030            | 3,743  |
|                    | 1913                 | 476,731          | 476,731    | 10,326   | 57,788                         | 38,979    | 18,809   | 16,474   | 6,691     | 9,783    | 7,124             | 538  |
|                    | 1912                 | 485,176          | 466,617    | 10,326   | 58,335                         | 43,217    | 15,118   | 17,321   | 6,637     | 10,684   | 4,098             | 360  |
|                    | 1911                 | 483,057          | 471,021    | 10,968   | 50,985                         | 37,542    | 13,443   | 12,760   | 4,292     | 8,468    | 2,624             | 297  |
| New York.....      | 1915                 | 963,748          | 888,093    | 65,915   | 205,938                        | 292,892   | 3,046    | 73,095   | 70,958    | 2,137    | 22,965            | 4,285  |
|                    | 1914                 | 967,578          | 930,905    | 61,307   | 211,458                        | 297,962   | 4,096    | 28,453   | 22,394    | 1,059    | 19,877            | 3,029  |
|                    | 1913                 | 956,595          | 922,341    | 60,907   | 210,846                        | 297,349   | 3,027    | 21,519   | 21,217    | 302      | 17,467            | 1,487  |
|                    | 1912                 | 925,576          | 883,679    | 67,905   | 182,844                        | 190,198   | 2,646    | 28,749   | 28,268    | 491      | 12,347            | 1,417  |
|                    | 1911                 | 963,969          | 905,264    | 83,400   | 172,297                        | 170,018   | 2,279    | 15,833   | 15,391    | 442      | 9,771             | 1,129  |

1 Included in "All other states," to avoid disclosing the operations of individual establishments.

## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 27.—SPINDLES, RAW COTTON AND LINTERS CONSUMED, AND STOCKS HELD IN CONSUMING ESTABLISHMENTS, BY STATES: 1911 TO 1915—Continued.

| STATE.                | Year ending Aug. 31. | COTTON SPINDLES. |           | Spindles consuming cotton mixed with other fibers. | COTTON (EXCLUSIVE OF LINTERS). |           |          | Stocks in consuming establishments at end of year (bales). |           |          | Consumed (bales). | Stocks in consuming establishments at end of year (bales). |
|-----------------------|----------------------|------------------|-----------|--|--------------------------------|-----------|----------|--|-----------|----------|-------------------|--|
|                       |                      | Total.           | Active.   |  | Consumed (bales).              |           |          |  |           |          |                   |  |
|                       |                      |                  |           |  | Total.                         | Domestic. | Foreign. | Total.   | Domestic. | Foreign. |                   |  |
| North Carolina.....   | 1915                 | 3,915,842        | 3,823,298 | 7,484  | 910,154                        | 902,671   | 7,483    | 157,702  | 155,740   | 1,962    | 3,738             | 267  |
|                       | 1914                 | 3,813,940        | 3,770,316 | 5,400  | 906,177                        | 898,363   | 7,814    | 72,507   | 70,613    | 1,894    | 3,831             | 377  |
|                       | 1913                 | 3,593,909        | 3,565,261 | 5,360  | 869,915                        | 861,387   | 8,528    | 68,577   | 66,248    | 2,329    | 3,444             | 908  |
|                       | 1912                 | 3,493,996        | 3,337,233 | 6,709  | 819,555                        | 811,376   | 8,179    | 81,959   | 80,139    | 1,820    | 4,921             | 1,081  |
|                       | 1911                 | 3,353,706        | 3,216,195 | 6,160  | 692,459                        | 686,789   | 5,670    | 24,763   | 23,133    | 1,630    | 4,528             | 2,064  |
| Ohio.....             | 1915                 | 480              | 480       | 14,768   | 2,371                          | 2,218     | 153      | 1,882  | 1,821     | 61       | 37,247            | 15,879   |
|                       | 1914                 | 240              | 240       | 19,958   | 3,041                          | 2,907     | 134      | 1,144  | 1,087     | 57       | 32,558            | 14,616   |
|                       | 1913                 | 240              | 240       | 17,240   | 3,126                          | 3,019     | 107      | 791  | 769       | 22       | 33,111            | 11,527   |
|                       | 1912                 | 240              | 240       | 17,858   | 2,648                          | 2,603     | 45       | 1,207  | 1,200     | 7        | 30,440            | 9,387  |
|                       | 1911                 |                  |           | 17,512   | 2,753                          | 2,727     | 26       | 397  | 395       | 2        | 23,573            | 8,682  |
| Pennsylvania.....     | 1915                 | 259,965          | 245,515   | 105,853  | 44,891                         | 40,229    | 4,662    | 10,421   | 8,995     | 1,426    | 26,792            | 8,222  |
|                       | 1914                 | 252,685          | 244,029   | 111,220  | 48,727                         | 44,220    | 4,507    | 6,123  | 5,561     | 562      | 25,244            | 8,303  |
|                       | 1913                 | 249,857          | 242,053   | 140,665  | 52,177                         | 48,160    | 4,017    | 5,902  | 5,458     | 444      | 24,492            | 4,956  |
|                       | 1912                 | 265,715          | 246,477   | 146,208  | 48,926                         | 44,910    | 4,016    | 7,413  | 6,199     | 1,214    | 20,961            | 5,734  |
|                       | 1911                 | 280,202          | 254,120   | 120,031  | 47,517                         | 43,228    | 4,289    | 3,991  | 3,554     | 437      | 19,780            | 4,754  |
| Rhode Island.....     | 1915                 | 2,567,644        | 2,473,132 | 1,440  | 248,242                        | 221,075   | 27,167   | 93,720   | 71,076    | 22,644   | 4,696             | 3,295  |
|                       | 1914                 | 2,574,942        | 2,512,702 | 1,440  | 241,443                        | 216,990   | 24,447   | 62,543   | 51,575    | 10,968   | 5,409             | 2,152  |
|                       | 1913                 | 2,533,380        | 2,464,790 | 3,340  | 233,006                        | 207,462   | 25,564   | 66,366   | 57,580    | 8,786    | 6,034             | 1,660  |
|                       | 1912                 | 2,552,743        | 2,458,650 | 5,424  | 224,341                        | 203,061   | 20,680   | 66,527   | 57,902    | 8,625    | 5,624             | 3,812  |
|                       | 1911                 | 2,526,995        | 2,499,175 | 5,364  | 213,895                        | 192,197   | 21,698   | 46,010   | 38,973    | 7,037    | 4,159             | 2,405  |
| South Carolina.....   | 1915                 | 4,710,826        | 4,683,578 | 1,980  | 811,564                        | 811,353   | 211      | 125,105  | 125,110   | 85       | 6,185             | 362  |
|                       | 1914                 | 4,632,204        | 4,583,712 | 4,688  | 794,678                        | 793,385   | 1,293    | 49,523   | 49,424    | 99       | 5,501             | 410  |
|                       | 1913                 | 4,536,353        | 4,469,886 | 1,400  | 769,905                        | 767,813   | 2,092    | 59,246   | 58,147    | 1,099    | 5,946             | 742  |
|                       | 1912                 | 4,327,178        | 4,272,598 | 1,892  | 726,856                        | 724,043   | 2,813    | 66,107   | 64,800    | 1,277    | 4,462             | 444  |
|                       | 1911                 | 4,187,317        | 4,098,621 | 2,760  | 614,267                        | 611,244   | 3,013    | 24,330   | 21,871    | 2,458    | 4,411             | 791  |
| Tennessee.....        | 1915                 | 322,052          | 316,104   | 14,965   | 83,330                         | 83,231    | 99       | 24,971   | 24,965    | 6        | 14,344            | 1,561  |
|                       | 1914                 | 296,620          | 293,010   | 17,325   | 79,590                         | 79,537    | 53       | 7,665  | 7,661     | 4        | 8,116             | 1,678  |
|                       | 1913                 | 271,634          | 269,102   | 19,904   | 74,320                         | 74,312    | 8        | 9,809  | 9,800     | 9        | 7,470             | 1,420  |
|                       | 1912                 | 254,278          | 247,474   | 17,396   | 66,792                         | 66,746    | 46       | 7,359  | 7,359     | 0        | 6,649             | 1,476  |
|                       | 1911                 | 253,460          | 238,656   | 15,748   | 64,425                         | 64,382    | 43       | 4,141  | 4,121     | 20       | 5,723             | 759  |
| Texas.....            | 1915                 | 124,848          | 113,052   |  | 50,813                         | 50,813    |          | 9,809  | 9,809     |          | 11,867            | 2,061  |
|                       | 1914                 | 124,628          | 112,408   |  | 47,162                         | 47,162    |          | 2,689  | 2,689     |          | 10,011            | 3,909  |
|                       | 1913                 | 123,908          | 110,320   |  | 40,585                         | 40,585    |          | 3,957  | 3,957     |          | 17,769            | 1,802  |
|                       | 1912                 | 114,352          | 97,556    |  | 40,198                         | 40,198    |          | 1,991  | 1,991     |          | 11,622            | 1,918  |
|                       | 1911                 | 113,100          | 90,998    |  | 30,277                         | 30,277    |          | 972  | 972       |          | 11,043            | 1,459  |
| Vermont.....          | 1915                 | 136,304          | 136,304   | 10,012   | 12,390                         | 11,252    | 1,138    | 4,094  | 3,757     | 337      |                   |  |
|                       | 1914                 | 136,304          | 126,304   | 10,584   | 12,994                         | 11,827    | 1,167    | 1,329  | 1,129     | 200      |                   |  |
|                       | 1913                 | 136,304          | 129,304   | 10,648   | 12,226                         | 11,104    | 1,122    | 1,367  | 1,199     | 168      |                   |  |
|                       | 1912                 | 136,892          | 116,304   | 10,564   | 10,588                         | 9,845     | 743      | 2,440  | 2,041     | 400      |                   |  |
|                       | 1911                 | 105,276          | 105,276   | 11,152   | 8,609                          | 8,147     | 522      | 834  | 553       | 281      |                   |  |
| Virginia.....         | 1915                 | 513,434          | 503,434   | 1,038  | 97,714                         | 97,714    |          | 17,731   | 17,731    |          | (1)               | (1)  |
|                       | 1914                 | 477,886          | 473,386   | 1,044  | 85,566                         | 85,566    |          | 5,503  | 5,503     |          | 6,580             | 175  |
|                       | 1913                 | 426,920          | 426,920   | 1,044  | 88,544                         | 88,544    |          | 9,249  | 9,249     |          | 6,520             | 654  |
|                       | 1912                 | 414,148          | 407,548   | 2,128  | 81,107                         | 81,107    |          | 7,302  | 7,302     |          | 5,070             | 529  |
|                       | 1911                 | 372,816          | 357,816   | 3,308  | 73,824                         | 73,822    | 2        | 4,441  | 4,441     |          | 6,828             | 369  |
| All other states..... | 1915                 | 92,768           | 82,368    | 14,772   | 39,403                         | 38,738    | 665      | 13,558   | 13,310    | 248      | 152,236           | 96,539   |
|                       | 1914                 | 92,352           | 81,652    | 14,422   | 37,161                         | 36,346    | 815      | 4,813  | 4,390     | 523      | 75,497            | 15,946   |
|                       | 1913                 | 92,648           | 92,552    | 14,506   | 39,739                         | 39,354    | 385      | 6,419  | 5,917     | 502      | 74,092            | 16,677   |
|                       | 1912                 | 88,224           | 85,770    | 22,515   | 37,884                         | 37,397    | 487      | 4,882  | 4,806     | 76       | 52,737            | 9,514  |
|                       | 1911                 | 89,964           | 76,772    | 21,705   | 28,886                         | 27,781    | 1,105    | 2,883  | 2,485     | 398      | 44,280            | 8,977  |

<sup>1</sup> Included in "All other states" to avoid duplication.

<sup>1</sup> Included in "All other states," to avoid disclosing the operations of individual establishments.

## SPINDLES.

The term "cotton spindles" is applied to all spindles used for spinning cotton only, regardless of the character of the establishments in which located, and therefore does not include those which consumed a mixture of cotton and other fibers. The total number of cotton spindles returned for the United States was 32,840,730. The number operated during the year ending July 31, 1915, as shown in Table 27, was 31,964,235, or 143,337 less than the number for the previous year. There were 876,495 spindles returned as idle—that is, as having consumed no cotton whatever during the year. This number compares with 636,440 in 1914 and 1,004,151 in 1912. Of the idle cotton spindles reported in 1915, 238,662 were in plants not operated during the year and 637,833 in

mills which consumed some cotton. The number of idle spindles included a small number of new spindles which had been installed before the close of the year but which had not been brought into service.

In the total number of cotton spindles Massachusetts exceeds every other state, having 10,914,087, or 33.2 per cent of the total for the United States, in 1915; South Carolina ranks second, with 4,710,826, or 14.3 per cent; North Carolina third, with 3,915,812, or 11.9 per cent; Rhode Island fourth, Georgia fifth, New Hampshire sixth, Connecticut seventh, Maine eighth, and Alabama ninth. No other state reported as many as a million spindles. The states showing the largest net gains during the year were North Carolina, South Carolina, Alabama, Georgia, and Virginia, in the order named.

In addition to the spindles designed primarily to spin cotton, 354,953 spindles were returned as having consumed during the year raw cotton mixed with other fibers. The corresponding numbers for previous years were 414,058 in 1914; 454,733 in 1913; 500,206 in 1912; and 456,242 in 1911. The variation in the number of spindles so used is due to the fact that, in some establishments, spindles employed during one year in spinning cotton mixed with some other fiber use no raw cotton whatever during another year. Attention is also called to the fact that a few establishments did not report the number of spindles of this character, stating that the data were not available. The states reporting the largest numbers of spindles that consumed raw cotton mixed with other fibers are those which led in the manufacture of woolen goods and of hosiery and knit goods. Of the total number of such spindles reported, 105,853, or 29.8 per cent, were returned from Pennsylvania, 65,915 from New York, 45,860 from Massachusetts, and 44,768 from Connecticut.

*Localization of cotton spinning.*—The importance of the cotton-spinning industry in certain localities is shown by the following table. This table gives the total number of spindles in each county having more than 100,000 producing cotton spindles, the counties being arranged in the order of their importance in this respect.

TABLE 28.—COUNTIES IN THE UNITED STATES HAVING MORE THAN 100,000 COTTON SPINDLES EACH, ARRANGED IN ORDER OF NUMBER OF SPINDLES: 1915.

| COUNTY.             | Spindles (number). | COUNTY.             | Spindles (number). |
|---------------------|--------------------|---------------------|--------------------|
| Bristol, Mass.      | 7,125,944          | Pickens, S. C.      | 206,532            |
| Providence, R. I.   | 1,621,454          | Fulton, Ga.         | 199,304            |
| Middlesex, Mass.    | 1,123,541          | Laurens, S. C.      | 186,736            |
| Hillsborough, N. H. | 899,888            | Aiken, S. C.        | 185,056            |
| Spartanburg, S. C.  | 813,184            | Richmond, Ga.       | 185,032            |
| Windham, Conn.      | 763,048            | York, S. C.         | 181,616            |
| Worcester, Mass.    | 759,940            | Durham, N. C.       | 170,084            |
| Greenville, S. C.   | 755,808            | Newberry, S. C.     | 167,272            |
| Hampden, Mass.      | 634,396            | Kennebec, Me.       | 165,434            |
| Kent, R. I.         | 590,204            | Rockingham, N. C.   | 159,712            |
| Anderson, S. C.     | 579,034            | Cherokee, S. C.     | 155,188            |
| Gaston, N. C.       | 544,764            | Knox, Tenn.         | 148,792            |
| Essex, Mass.        | 517,910            | Lancaster, S. C.    | 148,632            |
| New London, Conn.   | 492,178            | Alamance, N. C.     | 147,180            |
| Berkshire, Mass.    | 486,258            | Hampshire, Mass.    | 144,840            |
| York, Me.           | 408,600            | Chambers, Ala.      | 144,200            |
| Oneida, N. Y.       | 405,875            | Rutherford, N. C.   | 137,960            |
| Androscoggin, Me.   | 401,271            | Calhoun, Ala.       | 128,624            |
| Pittsylvania, Va.   | 331,424            | Richmond, N. C.     | 126,296            |
| Strafford, N. H.    | 328,140            | Cumberland, Me.     | 124,392            |
| Union, S. C.        | 318,056            | Floyd, Ga.          | 119,584            |
| Cabarrus, N. C.     | 294,268            | Philadelphia, Pa.   | 119,188            |
| Muscogee, Ga.       | 277,688            | Merrimack, N. H.    | 118,724            |
| Albany, N. Y.       | 266,092            | Talladega, Ala.     | 113,322            |
| Mecklenburg, N. C.  | 264,012            | Spalding, Ga.       | 112,252            |
| Richland, S. C.     | 243,460            | Baltimore City, Md. | 111,304            |
| Essex, N. J.        | 232,291            | Chester, S. C.      | 103,824            |
| Guilford, N. C.     | 220,748            | Hall, Ga.           | 102,356            |
| Bristol, R. I.      | 214,216            | Stanley, N. C.      | 102,296            |
| Madison, Ala.       | 213,440            | Troup, Ga.          | 100,274            |
| Greenwood, S. C.    | 211,276            |                     |                    |

In the 61 counties in the United States which had more than 100,000 cotton spindles each, the total number of such spindles was 26,654,540, or 81.2 per cent of the aggregate for the country. Of these counties, 3, with a total of 9,870,939 spindles, or 30.1

per cent of the aggregate for the United States, had more than 1,000,000 spindles each; 10, with 6,858,242, or 20.9 per cent of the aggregate, had 500,000 but less than 1,000,000 each; 19, with 5,815,825, or 17.7 per cent of the aggregate, 200,000 but less than 500,000 each, and 29, with 4,109,534, or 12.5 per cent of the aggregate, 100,000 but less than 200,000 each. Of the 61 counties, 14 are in South Carolina, 10 in North Carolina, 7 each in Georgia and Massachusetts, 4 each in Alabama and Maine, 3 each in New Hampshire and Rhode Island, 2 each in Connecticut and New York, and 1 each in Maryland, New Jersey, Pennsylvania, Tennessee, and Virginia.

Bristol County, Mass., with 7,125,944 cotton spindles, led all other counties, having 65.3 per cent of the total spindle capacity for Massachusetts, 40.7 per cent of the total for New England, and 21.7 per cent of the total for the United States. The industry was established in this county at an early date, and it has long maintained a leading position. Fall River, the most important city in the United States from a cotton manufacturing standpoint, is located in this county, as well as the cities of New Bedford and Taunton, and a number of towns engaged largely in the manufacture of cotton. Providence County, R. I., with 1,621,454 cotton spindles, held second place, and Middlesex County, Mass., with 1,123,541 cotton spindles, third. In the Southern states, Anderson, Greenville, and Spartanburg Counties, in the western part of South Carolina, and Gaston County in North Carolina, are the only ones with more than 500,000 cotton spindles each, Spartanburg County having the largest number, 813,184. In Georgia, Muscogee, with 277,688, ranked first; in Virginia, Pittsylvania, with 331,424; in Alabama, Madison, with 213,440, and in Tennessee, Knox, with 148,792.

The relative standing of any county in the cotton-manufacturing industry as a whole depends largely upon whether the factories are devoted to spinning only, or to both spinning and weaving. In some counties the mills make a specialty of spinning yarn which is used elsewhere, while in others practically all the yarn spun is used in the county, and in still others the operations are largely confined to weaving and otherwise using yarns spun elsewhere.

*Ring and mule spindles.*—Table 29 shows, by states, the number of active ring and mule cotton spindles in the United States in 1904, 1909, 1913, 1914, and 1915.

Of the 31,964,235 active cotton spindles in the United States reported for 1915, only 3,841,443, or 12 per cent, were mule spindles. This compares with 4,091,182, or 12.7 per cent of the total in 1914; 4,922,839, or 17.5 per cent in 1909; and 5,453,264, or 23 per cent, in 1904, showing a continuous decrease not only in the actual number but also, and to a

greater degree, in the proportion. The tendency to displace mule spindles with frame shows no diminution, as during the past year a number of establishments have followed this practice. Because of the ease with which ring spindles can be operated, manufacturers use frames rather than mules whenever it is practicable. In fact, new mules are seldom installed, except when very fine filling yarns, soft-twisted knitting yarns, or very coarse yarns made from short-staple cotton or waste are to be spun. The use of

mule spindles is confined largely to the New England states, which reported 80.3 per cent of the total number for the country in 1915, most of the remainder being in New York and New Jersey, and only 189,294 being returned for the cotton-growing states. Since some yarns requiring special qualities can not be made satisfactorily by the use of ring spindles, there will always be a demand for mule spindles unless difficulties heretofore met with in the use of ring spindles can be overcome.

TABLE 29.—NUMBER OF ACTIVE RING AND MULE COTTON SPINDLES, BY STATES, FOR SPECIFIED YEARS: 1904 TO 1915.

[The statistics for 1915 relate to the 12 months ending July 31, and those for prior years to the 12 months ending Aug. 31.]

| STATE.                | NUMBER OF ACTIVE COTTON SPINDLES. |            |           |            |           |            |           |                   |           |            |           |
|-----------------------|-----------------------------------|------------|-----------|------------|-----------|------------|-----------|-------------------|-----------|------------|-----------|
|                       | 1915                              |            |           | 1914       |           | 1913       |           | 1909 <sup>1</sup> |           | 1904       |           |
|                       | Total.                            | Ring.      | Mule.     | Ring.      | Mule.     | Ring.      | Mule.     | Ring.             | Mule.     | Ring.      | Mule.     |
| United States.....    | 31,964,235                        | 28,122,702 | 3,841,443 | 28,016,390 | 4,091,182 | 27,380,573 | 4,139,193 | 23,256,023        | 4,922,830 | 18,218,800 | 5,453,264 |
| Alabama.....          | 1,028,036                         | 1,021,430  | 6,606     | 1,022,500  | 6,600     | 986,180    | 7,400     | 909,587           | 3,916     | 765,727    | 7,000     |
| Connecticut.....      | 1,319,026                         | 902,066    | 417,260   | 893,701    | 418,502   | 857,830    | 418,996   | 832,830           | 446,586   | 715,739    | 492,976   |
| Georgia.....          | 2,148,133                         | 2,101,263  | 46,880    | 2,079,010  | 51,830    | 2,020,080  | 51,830    | 1,703,071         | 71,896    | 1,254,885  | 78,672    |
| Illinois.....         | 30,508                            | 42,103     | 14,400    | 42,103     | 14,400    | 30,824     | 14,133    | 23,240            | 16,000    | 16,000     | 16,000    |
| Indiana.....          | 85,816                            | 85,816     | .....     | 86,032     | .....     | 90,032     | .....     | 115,152           | 8,952     | 104,424    | 24,868    |
| Kentucky.....         | 93,828                            | 77,308     | 16,520    | 82,351     | 15,408    | 78,416     | 16,520    | 68,124            | 16,920    | 57,572     | 23,820    |
| Louisiana.....        | 56,195                            | 53,639     | 2,256     | 50,508     | 2,256     | 54,427     | 2,256     | 63,096            | 4,806     | 56,552     | 5,500     |
| Maine.....            | 1,079,503                         | 956,039    | 82,804    | 1,026,012  | 86,704    | 985,408    | 92,986    | 867,864           | 161,316   | 673,698    | 223,724   |
| Maryland.....         | 142,113                           | 142,113    | .....     | 155,908    | .....     | 154,215    | .....     | 133,802           | .....     | 136,460    | .....     |
| Massachusetts.....    | 10,036,001                        | 8,787,082  | 1,277,919 | 8,899,007  | 1,985,096 | 8,909,019  | 1,994,997 | 7,480,902         | 2,156,699 | 6,177,227  | 2,412,444 |
| Mississippi.....      | 124,658                           | 124,658    | .....     | 137,508    | .....     | 133,788    | .....     | 159,104           | 800       | 128,852    | .....     |
| Missouri.....         | 32,336                            | 31,896     | 440       | 31,450     | 440       | 31,480     | 440       | 30,304            | 440       | 14,101     | .....     |
| New Hampshire.....    | 1,456,749                         | 1,416,589  | 37,160    | 1,365,012  | 58,232    | 1,386,012  | 71,203    | 1,169,850         | 156,050   | 1,033,721  | 270,755   |
| New Jersey.....       | 465,063                           | 162,511    | 272,692   | 160,363    | 279,472   | 195,815    | 280,916   | 107,361           | 813,403   | 87,960     | 348,804   |
| New York.....         | 883,093                           | 711,440    | 176,653   | 739,042    | 191,263   | 724,716    | 197,625   | 647,512           | 415,329   | 364,304    | 425,216   |
| North Carolina.....   | 3,323,298                         | 3,751,800  | 71,408    | 3,702,280  | 68,036    | 3,486,085  | 79,176    | 2,886,453         | 71,782    | 1,836,315  | 80,024    |
| Pennsylvania.....     | 245,515                           | 143,658    | 101,857   | 132,440    | 101,589   | 142,996    | 99,057    | 139,082           | 139,245   | 146,306    | 134,511   |
| Rhode Island.....     | 2,473,132                         | 1,812,568  | 660,564   | 1,732,798  | 779,904   | 1,688,672  | 776,118   | 1,496,434         | 875,343   | 1,236,564  | 850,238   |
| South Carolina.....   | 4,683,578                         | 4,637,016  | 26,532    | 4,580,352  | 3,360     | 4,461,026  | 7,960     | 3,732,093         | 28,828    | 2,860,884  | 15,912    |
| Tennessee.....        | 316,104                           | 306,104    | 10,000    | 283,010    | 10,000    | 258,022    | 11,080    | 237,530           | 10,000    | 153,903    | 10,000    |
| Texas.....            | 113,052                           | 113,052    | .....     | 112,408    | .....     | 110,320    | .....     | 97,628            | .....     | 68,170     | .....     |
| Vermont.....          | 136,304                           | 126,104    | 10,200    | 116,104    | 10,200    | 119,104    | 10,200    | 75,872            | 15,840    | 80,312     | 27,716    |
| Virginia.....         | 603,434                           | 494,776    | 8,658     | 466,336    | 7,050     | 420,360    | 6,060     | 316,970           | 7,572     | 194,006    | 7,684     |
| All other states..... | 57,860                            | 57,380     | 450       | 56,840     | 240       | 67,440     | 240       | 63,192            | 1,116     | 55,032     | .....     |

<sup>1</sup> In this table the figures for 1909 relate to the calendar year, whereas those for 1909 as shown in Table 4 relate to the year ending Aug. 31.

#### COTTON CONSUMED.

The statistics for cotton consumed, presented in Table 27, cover all establishments which use raw cotton. The figures are expressed in running bales, except that round bales are counted as half bales and that foreign cotton has been reduced to equivalent 500-pound bales. The quantity of cotton consumed in the United States during the year ending July 31, 1915, was 5,597,362 bales, compared with 5,577,408 in 1914; 5,483,321 bales in 1913; 5,129,346 bales in 1912; and 4,498,417 bales in 1911. It is the largest amount ever consumed in a single year, being 19,954 bales greater than that in 1914, the next largest.

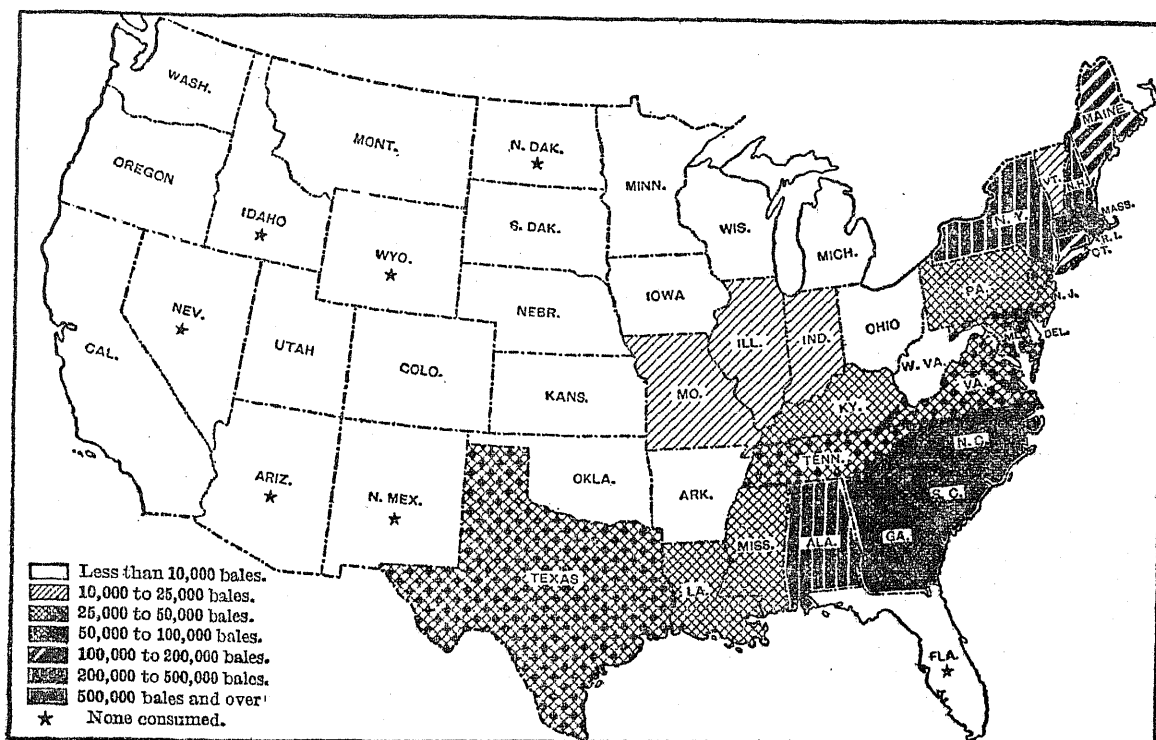
Massachusetts, with 1,282,937 bales, leads all the other states in the quantity of cotton consumed; North Carolina, with 910,154 bales, is second; South Carolina, with 811,564 bales, third; and Georgia, with 659,853 bales, fourth.

The largest actual increase in the annual consumption of cotton shown for the period covered by the table is in the cotton-growing states. The consumption in North Carolina increased from 692,459 bales to 910,154 bales, or 31.4 per cent; in South Carolina, from 614,257 bales to 811,564 bales, or 32.1 per cent; and in Georgia, from 475,139 bales to 659,853 bales, or 38.9 per cent.

# SUPPLY AND DISTRIBUTION OF COTTON IN UNITED STATES.

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MAP 2.—CLASSIFICATION OF STATES ACCORDING TO THE QUANTITY OF COTTON CONSUMED: 1915.



*Kinds of cotton used.*—The statistics as to raw cotton consumed and stocks held in manufacturing establishments for 1913, 1914, and 1915 which are presented in Table 27 are shown only as domestic and foreign cotton. In the following table the statistics are further segregated so as to show the consumption of the different kinds and the amount of each kind held in consuming establishments. The table also shows the amount for the group of "Cotton-growing states" and the group of "All other states."

Of the total consumption of cotton in the United States during the year ending July 31, 1915, 5,295,911 bales were upland, 79,394 sea-island, and 222,057 foreign. In the cotton-growing states the consumption was 3,026,969 bales, and in all other states 2,570,393 bales, 1915 being the fourth consecutive year in which the consumption in the cotton-growing states has exceeded that in all other states.

Nearly all of the cotton consumed in the United States is domestic upland cotton. The term "upland" is applied to all cotton produced in this country except sea-island cotton, and includes the long-staple varieties, which constitute a larger amount than formerly. The manufacturers in the cotton-growing states use very little sea-island or foreign cotton, having consumed only 30,789 bales of both kinds combined in 1915. In all other states the consumption of foreign cotton amounted to 208,401 bales, and of sea-island to 62,261 bales. Nearly 70 per cent of the sea-island cotton consumed in the United States was reported from Massachusetts, Connecticut, and Rhode Island. North Carolina, New Jersey, and Georgia follow in the order of quantity used. Establishments engaged in the manufacture of thread and those which spin yarns

designed for that purpose report the largest consumption of this kind of cotton.

TABLE 30.—QUANTITY OF THE SEVERAL KINDS OF RAW COTTON CONSUMED AND OF STOCKS HELD IN CONSUMING ESTABLISHMENTS: 1913, 1914, AND 1915.

[Quantities are given in running bales, except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales. Linters are not included. The statistics for 1915 relate to the 12 months ending July 31 and those for prior years to the 12 months ending Aug. 31.]

| KIND AND LOCALITY.         | RAW COTTON CONSUMED DURING YEAR (BALES). |           |           | STOCKS HELD IN CONSUMING ESTABLISHMENTS AT END OF YEAR (BALES). |         |         |
|----------------------------|--|-----------|-----------|---|---------|---------|
|                            | 1915                                     | 1914      | 1913      | 1915  | 1914    | 1913    |
| United States....          | 5,597,362                                | 5,577,408 | 5,483,321 | 1,401,185   | 675,873 | 717,704 |
| Domestic:                  |  |           |           |   |         |         |
| Upland.....                | 5,295,911                                | 5,301,426 | 5,195,614 | 1,267,484   | 593,295 | 619,200 |
| Sea-island....             | 79,394                                   | 81,673    | 54,778    | 24,919  | 18,439  | 18,525  |
| Foreign:                   |  |           |           |   |         |         |
| Egyptian....               | 181,211                                  | 151,091   | 201,269   | 96,828  | 51,786  | 70,859  |
| Peruvian....               | 10,529                                   | 13,003    | 10,341    | 1,739   | 1,609   | 1,044   |
| Indian....                 | 3,816                                    | 4,801     | 2,412     | 1,312   | 1,332   | 673     |
| Other.....                 | 26,501                                   | 25,414    | 18,907    | 8,903   | 9,421   | 7,403   |
| Cotton-growing states..... | 3,026,969                                | 2,925,294 | 2,861,743 | 577,201   | 195,490 | 219,184 |
| Domestic—                  |  |           |           |   |         |         |
| Upland.....                | 2,996,180                                | 2,838,015 | 2,834,732 | 567,304   | 189,870 | 210,883 |
| Sea-island..               | 17,133                                   | 14,966    | 12,696    | 3,653   | 2,003   | 2,664   |
| Foreign—                   |  |           |           |   |         |         |
| Egyptian....               | 7,794                                    | 6,921     | 10,051    | 4,463   | 2,047   | 4,053   |
| Peruvian....               | 153                                      | 74        | 6         | —   | 100     | 4       |
| Indian....                 | 61                                       | 672       | 475       | 6   | —       | 353     |
| Other.....                 | 5,648                                    | 4,646     | 3,783     | 1,710   | 1,470   | 1,227   |
| All other states.....      | 2,570,393                                | 2,652,114 | 2,621,578 | 823,984   | 480,383 | 498,520 |
| Domestic—                  |  |           |           |   |         |         |
| Upland.....                | 2,299,731                                | 2,403,411 | 2,360,882 | 709,120   | 403,425 | 408,317 |
| Sea-island..               | 62,261                                   | 66,707    | 42,082    | 21,261  | 16,427  | 15,891  |
| Foreign—                   |  |           |           |   |         |         |
| Egyptian....               | 173,417                                  | 144,170   | 191,218   | 92,365  | 49,739  | 66,806  |
| Peruvian....               | 10,375                                   | 12,929    | 10,335    | 1,739   | 1,509   | 1,040   |
| Indian....                 | 3,755                                    | 4,129     | 1,937     | 1,306   | 1,332   | 320     |
| Other.....                 | 29,853                                   | 20,768    | 15,124    | 7,193   | 7,951   | 6,176   |

A very large proportion of the foreign cotton consumed in the United States is Egyptian. In this country it is used principally for mercerizing and for other processes that give a high finish to cloth; in the manu-



facture, without dyeing, of Balbriggan underwear and lace curtains in which the ecru shade is desired; and in the manufacture of sewing thread and other similar articles which require a long fiber of great strength and for which no other type of cotton except sea-island has yet proved suitable. Egyptian cotton is said to be freer from trash and short fibers than American cotton, and, for this reason, to yield less waste in combing and carding. Rough Peruvian cotton is used, to some extent, for mixing with wool in the making of woolen textiles, while Indian and Chinese cotton are used, to a very limited extent, for mixing with the American upland cotton in the manufacture of the cheaper grades of goods.

#### LINTERS CONSUMED.

"Linters," the short fiber obtained by the cotton-seed-oil mills from reginning cotton seed before extracting the oil, enters into many lines of manufacture in which otherwise it would be necessary to use cotton. It is used in upholstering and in the manufacture of mattresses, comforts, batting, cushions, wadding, and pads; for mixing with shoddy and for making low-grade yarns, wrapping twine, cheap rope, and lamp and candle wicks; for making absorbent cotton; and in the manufacture of guncotton, niter powder, and writing paper. In the United States the greatest quantity has been consumed heretofore in the manufacture of felts and batting. However, the demand for explosives created by the European war resulted in greatly increasing the quantity of linters used in the manufacture of guncotton and powder. According to Table 27, the quantity of linters consumed during the year was 411,845 bales, as compared with 307,325 bales in 1914, 303,009 in 1913, 238,237 in 1912, and 206,561 in 1911.

Because of the unusual demand for processed cotton for the manufacture of explosives, a number of establishments have engaged in the bleaching of linters on contract for dealers and for manufacturers of guncotton. While the Bureau of the Census has endeavored to obtain data of cotton and linters consumed from every establishment so engaged, it is probable that, because of the peculiar conditions existing, there are some establishments treating cotton on contract which have not reported all cotton used. Correspondence with some of the leading firms engaged in bleaching and purifying cotton and linters reveals the fact that quantities of linters so treated were reported by neither of the contracting parties. It is therefore evident that the figures for linters consumed, as compiled from data received, are too small and the stocks of linters included in Table 25 correspondingly too high.

The introduction of smokeless powders created a new use for cotton, which, at the present time, requires a considerable quantity of this fiber. Guncotton, technically known as nitrocellulose, obtained by the nitration of cellulose, forms the principal ingredient of these powders. The purest form of natural cellulose is cotton, and this fiber is used almost exclusively

in the manufacture of guncotton. Experiments have proved that the short-fiber cottons are as well suited for this purpose as the longer; hence linters are being very generally used. The present great demand for explosives, due largely to the war in Europe, has increased the consumption of linters in the manufacture of explosives. This extended demand for linters has very materially increased the price of this product, the market price being several times as high as it was a year ago.

Before cotton and linters can be used in the manufacture of explosives it is necessary that they be thoroughly cleaned and purified. In some instances the manufacturers of explosives have installed machinery for this purpose, but in most cases this work is done by others. Reports of cotton and linters consumed are obtained only from establishments using the raw material; hence establishments which do not handle raw cotton but purchase their supplies in a partially manufactured condition are not required to make reports of such cotton. This method avoids any duplication in reporting the same cotton by two establishments.

The processes through which cotton passes in its preparation for use in the manufacture of guncotton are described by Maj. Edward P. O'Hern, of the Ordnance Department, United States Army, in an article on explosives, appearing in a report of the Smithsonian Institution, published in 1915. The following extract from this article is presented as an interesting reference:

The cotton used is generally the short fiber, which is detached from the cotton seed rather late in the process of removal. After being bleached and purified it is run through a picker, which opens up the fiber and breaks up any lumps. It is then thoroughly dried and is ready for nitration. The most generally used method of nitration is to put the cotton into a large vessel nearly filled with a mixture of nitric and sulphuric acids. The sulphuric acid is used to absorb the water developed in the process of nitration and which would otherwise too greatly dilute the nitric acid. After a few minutes' immersion the pot is rapidly rotated by machinery and the acid permitted to escape. The nitrated cotton is washed in a preliminary way, then removed from the nitrator and repeatedly washed and boiled to remove all traces of free acid. In the process of nitration the cotton has not changed its appearance, but has become a little harsh to the touch. As the keeping qualities are dependent upon the thoroughness with which it is purified, the specifications for powder for the United States Army and Navy require that the nitrocellulose shall be given at this stage of manufacture at least five boilings, with a change of water after each boiling, the total time of boiling being 40 hours. Following this preliminary purification, the nitrocellulose is cut up into still shorter lengths by being repeatedly run between cylinders carrying revolving knives. This operation was found necessary, as cotton fibers are hollow tubes, making it very difficult to remove traces of acid from the interior unless cut into very short lengths. After being pulped the nitrocellulose is given six more boilings, with a change of water after each, followed by 10 cold-water washings. The completed material is known as guncotton, or pyrocellulose.

#### GROWTH OF THE COTTON INDUSTRY SINCE 1840.

Table 31 shows the production and consumption of cotton in the United States and the number of active cotton spindles for specified years from 1840 to 1915.

## SUPPLY AND DISTRIBUTION OF COTTON IN UNITED STATES.

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TABLE 31.—PRODUCTION AND CONSUMPTION OF COTTON AND NUMBER OF ACTIVE COTTON SPINDLES IN THE UNITED STATES, BY SECTIONS, FOR SPECIFIED YEARS: 1840 TO 1915.

[The quantities are given in running bales, except those for production in 1850, 1860, and 1870, which are in equivalent 400-pound bales, and those for consumption from 1840 to 1870, and for foreign cotton, which are in equivalent 500-pound bales. Linters are included.]

| YEAR.     | Cotton produced (bales). <sup>1</sup> | COTTON CONSUMED (BALES). |                        |                        |                      | ACTIVE COTTON SPINDLES. |                        |                        |                        |
|-----------|---------------------------------------|--------------------------|------------------------|------------------------|----------------------|-------------------------|------------------------|------------------------|------------------------|
|           |                                       | United States.           | Cotton-growing states. | New England states.    | All other states.    | United States.          | Cotton-growing states. | New England states.    | All other states.      |
| 1915..... | 16,738,241                            | 6,009,207                | 3,193,353              | 2,197,220              | 618,634              | 31,964,235              | 12,955,712             | 17,100,615             | 1,907,908              |
| 1914..... | 14,613,964                            | 5,884,733                | 3,023,415              | 2,251,041              | 610,277              | 32,107,572              | 12,711,303             | 17,408,372             | 1,987,897              |
| 1913..... | 14,090,863                            | 5,786,330                | 2,960,518              | 2,210,813              | 614,999              | 31,519,766              | 12,227,226             | 17,311,451             | 1,981,089              |
| 1912..... | 16,109,349                            | 5,367,583                | 2,712,223              | 2,108,360              | 547,000              | 30,578,528              | 11,582,869             | 17,139,945             | 1,855,714              |
| 1911..... | 11,965,062                            | 4,704,978                | 2,328,487              | 1,911,092              | 465,399              | 29,522,597              | 11,084,623             | 16,510,981             | 1,929,993              |
| 1910..... | 10,886,209                            | 4,798,953                | 2,292,333              | 2,016,386              | 490,234              | 28,266,862              | 10,494,112             | 15,735,086             | 2,037,664              |
| 1909..... | 13,432,131                            | 5,240,719                | 2,553,797              | 2,144,448              | 542,474              | 28,018,305              | 10,429,200             | 15,591,851             | 1,997,254              |
| 1908..... | 11,325,882                            | 4,539,090                | 2,187,096              | 1,894,835              | 457,159              | 27,505,422              | 10,200,903             | 15,329,333             | 1,975,185              |
| 1907..... | 13,305,265                            | 4,984,936                | 2,410,993              | 2,073,355              | 500,588              | 26,375,191              | 9,527,964              | 14,912,517             | 1,934,710              |
| 1906..... | 10,725,602                            | 4,909,279                | 2,373,577              | 2,059,900              | 475,802              | 25,250,096              | 8,994,868              | 14,407,580             | 1,847,648              |
| 1905..... | 13,697,310                            | <sup>a</sup> 4,278,980   | <sup>a</sup> 2,140,151 | <sup>a</sup> 1,753,282 | <sup>a</sup> 385,547 | 23,687,495              | 7,631,331              | 14,202,971             | 1,853,193              |
| 1900..... | 9,507,786                             | 3,873,165                | 1,523,168              | 1,909,498              | 440,499              | 19,472,232              | 4,367,688              | 13,171,377             | 1,933,167              |
| 1890..... | 7,472,511                             | 2,518,409                | 538,895                | 1,502,177              | 477,337              | 14,384,180              | 1,570,288              | 10,934,297             | 1,879,595              |
| 1880..... | 5,755,359                             | <sup>a</sup> 1,570,344   | <sup>a</sup> 188,748   | <sup>a</sup> 1,129,498 | <sup>a</sup> 252,098 | <sup>a</sup> 10,653,435 | <sup>a</sup> 561,360   | <sup>a</sup> 8,632,087 | <sup>a</sup> 1,459,988 |
| 1870..... | 3,011,996                             | 796,616                  | 68,702                 | 551,250                | 176,664              | 7,132,415               | 327,871                | 5,498,308              | 1,306,236              |
| 1860..... | 5,387,052                             | 845,410                  | 93,553                 | 567,403                | 184,454              | 5,235,727               | 324,052                | 3,858,962              | 1,052,713              |
| 1850..... | 2,469,093                             | 575,506                  | 78,140                 | 430,603                | 66,763               | 3,998,022               | 264,571                | 2,958,536              | 774,915                |
| 1840..... | 2,063,915                             | 236,525                  | 71,000                 | 158,708                | 6,817                | 2,284,631               | 180,927                | 1,597,394              | 506,310                |

<sup>1</sup> Relates to crop of preceding year.<sup>2</sup> Does not include foreign cotton.<sup>3</sup> Cotton mills only.

These statistics of consumption and active spindles are a measure of the growth of cotton manufacturing. Since 1890 the number of spindles in the United States has more than doubled, while the quantity of cotton and linters consumed in 1915 was the largest returned for a single year, being 6,009,207 bales, or more than twice as much as that for 1890.

The most significant fact brought out by this table is the rapid growth of the industry in the cotton-growing states. In 1880 there were only 561,360 active cotton spindles in these states, and the quantity of cotton consumed was 188,748 bales. In 1915, 12,955,712 spindles were operated, and the quantity of cotton and linters consumed was 3,193,353 bales. Between 1900 and 1915 the consumption in these states increased 109.6 per cent, while in the New England states it increased only 15.1 per cent, and in all other states, 40.4 per cent. The consumption in 1900 in the cotton-growing states amounted to 39.3 per cent of the total for the country, compared with 49.3 per cent for the New England states, and 11.4 per cent for all other states. For the year ending July 31, 1915, the consumption in the cotton-growing states formed 53.1 per cent of the total for the country; that in the New England states, 36.6 per cent; and that in all other states, 10.3 per cent. Of the total number of spindles operated during 1915, 40.5 per cent were in the cotton-growing states, 53.5 per cent in the New England states, and 6 per cent in all other states.

## STOCKS OF COTTON.

The quantity of baled cotton held in the United States on July 31, 1915, as shown in Table 24, was 3,936,104 bales, which compares with 1,365,864 bales in 1914. The amount is greatly in excess of that

reported for the same date in any prior year. This condition is due largely to the increased production in 1914. The segregation of stocks shown in this and succeeding tables is based upon the location of the cotton and not upon the ownership or the locality of growth. For instance, cotton in warehouses connected with the mills is classed as in consuming establishments, while cotton in independent warehouses and other public storage places and at compresses comprises all cotton held in such establishments, regardless of its ownership. Statistics of stocks held in consuming establishments at the end of the cotton years are shown in Table 27, by states, for the years 1911 to 1915. The amounts held on July 31 are shown in Table 32 for the last three years. The quantity for 1915 was 1,401,185 bales, compared with 905,762 bales in 1914 and 957,561 bales in 1913. The greatly increased amount for 1915 is undoubtedly accounted for by the low price of the staple prevailing during the past season.

## COTTON WAREHOUSING FACILITIES.

The cotton crop is largely harvested and ginned from September 1 to November 30 of each year, and a large proportion of it is disposed of by the growers during this period. Such rapid marketing of the crop tends to depress the price, and the producer frequently realizes less than he would if a better system in this regard were inaugurated. Many have advocated a gradual marketing of the crop, and to this end there has been, for several years, persistent agitation for adequate warehousing facilities. There has been marked improvement in this direction, but much remains to be done before suitable storage facilities, properly distributed, are provided. To render efficient service, warehouses must be so constructed as to

provide protection from fire and secure cheap insurance rates, thus bringing the total expense of storage low enough to enable growers and others generally to make use of them. With proper supervision and safeguards the warehouse receipts of cotton so stored not only will be easily negotiable, but will provide acceptable collateral for loans. This latter feature would enable the owner to hold his cotton until such time as, in his opinion, it could be sold most advantageously.

The extraordinary conditions existing during the past season brought the need of proper warehousing accommodations to the notice of all concerned. In order to provide some information regarding the capacity of warehouses for the storage of cotton in the cotton-growing states, the Office of Markets of the Department of Agriculture made a survey, the results of which are given in Bulletin 216, published April 26, 1915. The following statement taken from this bulletin shows the number and estimated storage capacity of all warehouses in the cotton belt:

ESTIMATED NUMBER AND STORAGE CAPACITY OF WAREHOUSES AND COTTON-MILL WAREHOUSES IN THE COTTON-PRODUCING STATES: SEASON OF 1914-15.

| STATE.              | Combined storage capacity. | WAREHOUSES. |                               | COTTON MILLS. |                         |
|---------------------|----------------------------|-------------|-------------------------------|---------------|-------------------------|
|                     |                            | Number.     | Capacity in bales as offered. | Number.       | Capacity in flat bales. |
| Total.....          | 15,038,175                 | 3,495       | 13,742,680                    | 823           | 1,295,405               |
| Alabama.....        | 1,942,355                  | 581         | 1,884,355                     | 62            | 62,000                  |
| Arkansas.....       | 971,809                    | 233         | 965,800                       | 6             | 6,000                   |
| Florida.....        | 358,830                    | 51          | 357,830                       | 1             | 1,000                   |
| Georgia.....        | 2,105,789                  | 1,083       | 1,693,289                     | 151           | 412,500                 |
| Louisiana.....      | 1,101,930                  | 200         | 1,093,930                     | 6             | 6,000                   |
| Mississippi.....    | 1,543,810                  | 167         | 1,523,810                     | 18            | 18,000                  |
| North Carolina..... | 665,441                    | 149         | 264,446                       | 326           | 400,995                 |
| Oklahoma.....       | 849,330                    | 120         | 842,330                       | 7             | 7,000                   |
| South Carolina..... | 1,683,560                  | 337         | 1,363,560                     | 164           | 360,000                 |
| Tennessee.....      | 946,435                    | 31          | 919,435                       | 27            | 27,000                  |
| Texas.....          | 2,549,324                  | 497         | 2,513,324                     | 36            | 36,000                  |
| Virginia.....       | 335,580                    | 30          | 316,580                       | 19            | 19,000                  |

According to the statement, the combined storage capacity of all warehouses is sufficient to house the largest crop, allowing for the natural export movement of cotton during the period of harvesting. However, many of the warehouses are not constructed along approved lines, and the risk and expense of storing in them is too great to make them of value. Furthermore, the greater number of them—and these comprise practically all of the modern constructed ones—are located in the large shipping centers and are not available to growers generally. Included in the statement are warehouses which have not been erected expressly for the storage of cotton, but which are used both for cotton and other products.

The construction and equipment of warehouses determine, in large measure, the insurance rates. For instance, the average insurance rate, as shown in the above-mentioned bulletin for 26 warehouses in Georgia,

constructed of wood, was \$3.30 per \$100 per annum; for 69 of corrugated iron, \$2.70; for 215 of brick, \$1.95; and for 5 standard warehouses, \$1.52. In North Carolina the average insurance rate for 11 warehouses constructed of brick was \$1.96 per \$100, and for 5 standard warehouses, \$1.25. The average insurance rate for 30 warehouses in Georgia equipped with sprinklers was \$0.246 per \$100, and for 30 warehouses without sprinklers, \$1.67; for 8 warehouses in North Carolina with sprinklers, \$0.238, and for 8 warehouses without sprinklers, \$1.52.

Bulletin 277 of the Department of Agriculture, published August 7, 1915, outlines, in a general way, some of the essential features of a warehouse for the storage of cotton. It should be of special interest to warehousemen, cotton dealers, and those contemplating the construction of cotton warehouses, and of general interest to all farmers, bankers, and business men of the South.

#### PERIODICAL REPORTS.

As previously stated, statistics concerning the quantity of cotton consumed, imported, exported, and on hand, and the number of active consuming cotton spindles are now collected monthly by the Bureau of the Census. These statistics are auxiliary to those of cotton ginned, and their purpose is to furnish reliable information as to the movement of cotton, which will be of value to the producer in disposing of his cotton and in planning for the succeeding crop, as well as to the manufacturer in purchasing his supplies.

*Monthly reports of cotton and linters consumed and on hand.*—Table 32 presents statistics of cotton and linters consumed during each month and on hand in consuming establishments and in public storage and at compresses at the end of each month from September, 1912, to July, 1915, inclusive.

The quantity of cotton consumed, shown in Table 32, varies considerably from month to month. Such variations are naturally to be expected. The consumption of no establishment is uniform from week to week or month to month, because of the exigencies of supply and demand and the shifting of attention from one phase of the business to another. However, these variations in monthly totals are affected somewhat by the number of working days in the months, and prior to August, 1914, by the fact that a number of establishments—among them some of the largest in the country—reported for a four-week or a five-week period, so that the figures for some months covered a five-weeks' consumption of such establishments. This latter condition was called to the attention of the mills, with the result that the reports in nearly all instances now relate to the calendar months.

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TABLE 32.—COTTON AND LINTERS CONSUMED AND COTTON ON HAND IN CONSUMING ESTABLISHMENTS AND IN PUBLIC STORAGE AND AT COMPRESSES, BY MONTHS: SEPTEMBER, 1912, TO JULY, 1915, INCLUSIVE.

[Quantities are given in running bales, except that round bales are counted as half bales, and foreign cotton in equivalent 500-pound bales.]

| MONTH.         | Year. | COTTON.   |                   |                      |                              |                      |                                      | LINTERS.  |                   |                      |                              |                      |                                      |
|----------------|-------|-----------|-------------------|----------------------|------------------------------|----------------------|--------------------------------------|-----------|-------------------|----------------------|------------------------------|----------------------|--------------------------------------|
|                |       | Consumed. |                   |                      | On hand.                     |                      |                                      | Consumed. |                   |                      | On hand.                     |                      |                                      |
|                |       | Total.    | In cotton states. | In all other states. | In consuming establishments. |                      | In public storage and at compresses. | Total.    | In cotton states. | In all other states. | In consuming establishments. |                      | In public storage and at compresses. |
|                |       |           |                   |                      | In cotton states.            | In all other states. |                                      |           |                   |                      | In cotton states.            | In all other states. |                                      |
| September..... | 1914  | 414,864   | 220,163           | 185,701              | 162,224                      | 394,668              | 1,663,625                            | 27,764    | 9,301             | 18,463               | 16,493                       | 46,893               | 26,078                               |
|                | 1913  | 442,435   | 240,635           | 201,500              | 196,522                      | 418,059              | 1,298,078                            | 27,697    | 9,172             | 18,525               | 13,196                       | 39,295               | 24,681                               |
|                | 1912  | 411,582   | 214,993           | 196,589              | 197,264                      | 476,219              | 1,376,078                            | 24,579    | 8,548             | 16,031               | 8,050                        | 33,373               | 10,268                               |
| October.....   | 1914  | 451,899   | 241,074           | 210,825              | 334,484                      | 381,139              | 3,777,469                            | 30,102    | 9,402             | 20,700               | 19,713                       | 45,461               | 41,753                               |
|                | 1913  | 511,923   | 263,235           | 248,688              | 564,593                      | 458,022              | 2,509,658                            | 31,392    | 10,706            | 20,686               | 12,397                       | 37,080               | 38,057                               |
|                | 1912  | 493,878   | 243,405           | 240,473              | 441,578                      | 420,967              | 2,805,864                            | 29,182    | 10,053            | 19,129               | 9,273                        | 28,471               | 15,451                               |
| November.....  | 1914  | 420,706   | 236,465           | 184,241              | 559,135                      | 502,067              | 4,998,414                            | 27,282    | 8,956             | 18,326               | 20,166                       | 58,237               | 56,770                               |
|                | 1913  | 456,356   | 244,546           | 211,810              | 516,337                      | 610,801              | 3,262,714                            | 26,242    | 9,389             | 16,853               | 16,307                       | 42,516               | 34,541                               |
|                | 1912  | 448,800   | 238,885           | 214,915              | 749,206                      | 545,814              | 3,337,527                            | 26,711    | 9,423             | 17,288               | 13,834                       | 32,158               | 33,188                               |
| December.....  | 1914  | 450,869   | 240,733           | 210,136              | 602,870                      | 650,850              | 5,137,902                            | 25,247    | 8,449             | 16,798               | 23,009                       | 76,562               | 73,891                               |
|                | 1913  | 456,242   | 238,149           | 218,113              | 936,285                      | 792,274              | 3,312,793                            | 21,693    | 7,888             | 14,105               | 20,863                       | 53,717               | 44,302                               |
|                | 1912  | 422,569   | 216,818           | 205,751              | 921,522                      | 721,873              | 3,190,207                            | 22,706    | 8,360             | 14,346               | 19,184                       | 42,626               | 36,157                               |
| January.....   | 1915  | 467,862   | 260,707           | 207,155              | 752,450                      | 763,993              | 5,665,346                            | 25,059    | 8,641             | 17,318               | 26,947                       | 93,502               | 93,780                               |
|                | 1914  | 517,299   | 269,460           | 247,880              | 905,419                      | 859,142              | 2,830,942                            | 23,611    | 8,468             | 15,143               | 23,718                       | 63,490               | 40,923                               |
|                | 1913  | 509,694   | 262,321           | 247,373              | 895,049                      | 941,497              | 2,622,010                            | 24,049    | 9,183             | 14,866               | 22,663                       | 53,784               | 35,038                               |
| February.....  | 1915  | 463,307   | 254,618           | 208,680              | 812,027                      | 842,142              | 4,075,435                            | 29,404    | 9,810             | 19,593               | 35,310                       | 102,952              | 81,055                               |
|                | 1914  | 455,231   | 243,182           | 212,049              | 848,686                      | 863,082              | 2,313,874                            | 22,398    | 7,562             | 14,836               | 26,185                       | 67,624               | 54,721                               |
|                | 1913  | 448,095   | 232,198           | 215,897              | 871,177                      | 1,022,789            | 2,217,010                            | 23,118    | 7,763             | 15,355               | 25,820                       | 61,405               | 33,280                               |
| March.....     | 1915  | 524,867   | 284,067           | 239,900              | 839,612                      | 902,337              | 3,378,734                            | 33,234    | 12,481            | 20,752               | 52,370                       | 109,490              | 100,387                              |
|                | 1914  | 493,354   | 260,797           | 232,557              | 806,423                      | 872,810              | 1,834,008                            | 24,720    | 7,830             | 16,890               | 26,873                       | 76,753               | 57,538                               |
|                | 1913  | 462,455   | 242,863           | 219,592              | 824,163                      | 1,014,305            | 1,790,526                            | 23,118    | 7,850             | 15,268               | 25,410                       | 67,644               | 40,790                               |
| April.....     | 1915  | 514,009   | 276,018           | 237,091              | 872,407                      | 958,572              | 2,848,692                            | 38,545    | 16,254            | 22,291               | 62,168                       | 108,719              | 81,086                               |
|                | 1914  | 499,646   | 260,123           | 239,523              | 726,095                      | 851,903              | 1,353,295                            | 26,636    | 7,684             | 18,952               | 26,707                       | 73,144               | 66,143                               |
|                | 1913  | 478,506   | 254,223           | 224,283              | 721,531                      | 931,786              | 1,340,005                            | 25,484    | 7,104             | 18,380               | 24,787                       | 68,296               | 46,268                               |
| May.....       | 1915  | 493,798   | 265,437           | 228,361              | 823,231                      | 970,078              | 2,430,708                            | 46,265    | 21,126            | 25,139               | 67,652                       | 110,442              | 101,691                              |
|                | 1914  | 466,744   | 242,630           | 224,114              | 594,640                      | 771,183              | 947,043                              | 26,877    | 7,729             | 19,148               | 23,372                       | 70,872               | 49,003                               |
|                | 1913  | 481,993   | 253,546           | 228,447              | 590,500                      | 828,627              | 895,573                              | 27,327    | 7,843             | 19,484               | 21,811                       | 63,823               | 43,281                               |
| June.....      | 1915  | 514,655   | 273,013           | 240,742              | 699,559                      | 923,967              | 2,085,612                            | 53,993    | 27,682            | 26,221               | 94,291                       | 165,065              | 103,560                              |
|                | 1914  | 446,145   | 236,160           | 209,985              | 465,008                      | 691,591              | 1,304,487                            | 26,993    | 7,460             | 19,533               | 22,909                       | 65,974               | 35,808                               |
|                | 1913  | 441,157   | 235,721           | 205,436              | 471,767                      | 731,703              | 609,360                              | 25,355    | 7,372             | 17,983               | 20,826                       | 61,019               | 40,877                               |
| July.....      | 1915  | 496,846   | 264,405           | 232,441              | 577,201                      | 823,984              | 1,784,919                            | 48,800    | 26,820            | 22,040               | 96,530                       | 162,375              | 89,881                               |
|                | 1914  | 448,333   | 227,508           | 220,845              | 326,953                      | 578,809              | 425,102                              | 23,486    | 6,780             | 16,706               | 20,711                       | 63,567               | 32,366                               |
|                | 1913  | 462,242   | 240,969           | 221,273              | 345,152                      | 612,400              | 381,739                              | 24,760    | 7,486             | 17,264               | 17,815                       | 54,578               | 29,148                               |
| August.....    | 1914  | 383,680   | 198,569           | 185,111              | 195,490                      | 480,383              | 546,944                              | 25,280    | 7,453             | 17,827               | 17,928                       | 57,418               | 29,073                               |
|                | 1913  | 432,350   | 230,801           | 201,549              | 219,134                      | 498,520              | 467,902                              | 26,030    | 8,290             | 18,340               | 15,325                       | 45,129               | 27,378                               |

The quantity of cotton consumed has shown a decided increase since August, 1914, during which month the total quantity was 383,680 bales. The increase since that month has been notable, the months of March, April, and June all showing a consumption of over 500,000 bales and May and July almost reaching this amount. This increased consumption is more pronounced in the cotton-growing states.

There has been a decided increase in stocks held in consuming establishments and in public storage and at compresses, the amounts since September, 1914, in public storage and at compresses being much in excess of those reported in prior years. During the earlier part of the season mill stocks were below the usual amounts carried. However, since March mill stocks at the close of each month have been decidedly larger than at corresponding dates in prior years.

Prior to September, 1914, there was very little change in the monthly consumption of linters. Since then,

however, there has been a very heavy increase, the amounts for June and July, 1915, being about twice as large as for the same months in 1914. These increased amounts are, of course, due to the use of linters in the manufacture of gunpowder. There has also been a large increase in the stocks of linters held in consuming establishments and in public storage, the amounts so held being more than twice as large as at the close of the corresponding months in preceding years.

*Active cotton spindles.*—Table 33 shows, for each month since September, 1912, the number of active cotton spindles in the United States, in the cotton-growing states, and in all other states. The inquiries called for the number of cotton spindles that are operated at some time during the month, and the figures in the table give the totals for the different months. However, it is possible that in a few instances the average number of spindles is reported instead of the total number which have been in use.

COTTON PRODUCTION AND DISTRIBUTION.

TABLE 33.—ACTIVE CONSUMING COTTON SPINDLES, BY MONTHS: SEPTEMBER, 1912, TO JULY, 1915.

| MONTH.         | Year. | ACTIVE COTTON SPINDLES (NUMBER). |                           |                      | MONTH.      | Year. | ACTIVE COTTON SPINDLES (NUMBER). |                           |                      |
|----------------|-------|----------------------------------|---------------------------|----------------------|-------------|-------|----------------------------------|---------------------------|----------------------|
|                |       | Total.                           | In cotton-growing states. | In all other states. |             |       | Total.                           | In cotton-growing states. | In all other states. |
| September..... | 1914  | 30,307,154                       | 12,249,286                | 18,057,868           | March.....  | 1915  | 30,907,382                       | 12,568,367                | 18,339,015           |
|                | 1913  | 30,634,381                       | 12,009,096                | 18,625,375           |             | 1914  | 31,083,858                       | 12,352,972                | 18,730,886           |
|                | 1912  | 29,775,039                       | 11,502,636                | 18,272,403           |             | 1913  | 30,575,028                       | 11,853,142                | 18,721,886           |
| October.....   | 1914  | 30,461,320                       | 12,320,743                | 18,131,577           | April.....  | 1915  | 30,903,509                       | 12,539,496                | 18,364,013           |
|                | 1913  | 30,855,360                       | 12,080,706                | 18,774,654           |             | 1914  | 31,014,038                       | 12,382,140                | 18,631,898           |
|                | 1912  | 30,030,733                       | 11,582,060                | 18,448,673           |             | 1913  | 30,572,108                       | 11,911,333                | 18,660,775           |
| November.....  | 1914  | 30,425,797                       | 12,334,265                | 18,091,532           | May.....    | 1915  | 31,107,221                       | 12,609,895                | 18,497,326           |
|                | 1913  | 30,649,337                       | 12,070,701                | 18,578,636           |             | 1914  | 31,028,336                       | 12,402,907                | 18,625,429           |
|                | 1912  | 30,072,579                       | 11,610,173                | 18,462,406           |             | 1913  | 30,556,177                       | 11,918,309                | 18,637,868           |
| December.....  | 1914  | 30,438,963                       | 12,362,253                | 18,076,710           | June.....   | 1915  | 31,226,001                       | 12,638,219                | 18,587,782           |
|                | 1913  | 31,004,716                       | 12,182,883                | 18,821,833           |             | 1914  | 30,948,048                       | 12,352,870                | 18,595,178           |
|                | 1912  | 30,153,747                       | 11,619,899                | 18,533,848           |             | 1913  | 30,046,121                       | 11,954,524                | 18,091,597           |
| January.....   | 1915  | 30,556,330                       | 12,466,775                | 18,089,555           | July.....   | 1915  | 31,207,965                       | 12,755,404                | 18,452,561           |
|                | 1914  | 31,038,178                       | 12,256,338                | 18,781,840           |             | 1914  | 30,676,835                       | 12,304,057                | 18,372,778           |
|                | 1913  | 30,359,843                       | 11,740,465                | 18,619,378           |             | 1913  | 30,022,554                       | 11,969,736                | 18,052,818           |
| February.....  | 1915  | 30,748,949                       | 12,512,283                | 18,236,666           | August..... | 1914  | 30,347,970                       | 12,017,056                | 18,330,914           |
|                | 1914  | 31,139,730                       | 12,306,311                | 18,833,419           |             | 1913  | 30,602,282                       | 11,973,633                | 18,628,649           |
|                | 1913  | 30,536,486                       | 11,757,852                | 18,778,634           |             |       |                                  |                           |                      |

Cotton consumed during each month, by states.—The following table presents statistics for the monthly consumption of cotton in the United States in the two divisions of the country and in each of the important cotton-consuming states from September, 1912, to July, 1915. These statistics permit a closer study of the conditions in the cotton industry in the various states than was possible before the collection and publication of these monthly reports.

TABLE 34.—COTTON CONSUMED DURING EACH MONTH, BY STATES: SEPTEMBER, 1912, TO JULY, 1915.

[Quantities are given in running bales, except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales. Linters are not included.]

| STATE.                     | Year.   | COTTON CONSUMED (BALES) DURING— |            |           |            |            |           |            |         |         |         |         |         |
|----------------------------|---------|---------------------------------|------------|-----------|------------|------------|-----------|------------|---------|---------|---------|---------|---------|
|                            |         | August.                         | Septem-ber | Octo-ber. | Novem-ber. | Decem-ber. | Janu-ary. | Febru-ary. | March.  | April.  | May.    | June.   | July.   |
| United States.....         | 1914-15 | 383,680                         | 414,864    | 451,899   | 420,706    | 450,869    | 467,862   | 463,307    | 524,867 | 514,009 | 493,798 | 514,655 | 496,846 |
|                            | 1913-14 | 432,360                         | 442,435    | 511,023   | 456,356    | 456,262    | 517,299   | 455,231    | 403,354 | 499,646 | 466,744 | 446,145 | 448,333 |
|                            | 1912-13 | .....                           | 411,682    | 483,878   | 448,800    | 422,569    | 509,694   | 448,095    | 462,455 | 478,506 | 481,993 | 441,157 | 462,242 |
| Cotton-growing states..... | 1914-15 | 198,569                         | 229,163    | 241,074   | 236,465    | 240,733    | 260,707   | 254,618    | 284,067 | 276,918 | 265,437 | 273,913 | 264,405 |
|                            | 1913-14 | 280,801                         | 240,935    | 263,235   | 244,546    | 238,149    | 269,460   | 243,182    | 260,797 | 200,123 | 242,630 | 236,160 | 227,608 |
|                            | 1912-13 | .....                           | 214,933    | 243,405   | 233,885    | 216,818    | 262,321   | 232,193    | 242,863 | 254,223 | 273,516 | 235,721 | 240,960 |
| All other states.....      | 1914-15 | 185,111                         | 185,701    | 210,825   | 184,241    | 210,136    | 207,155   | 208,689    | 239,900 | 237,091 | 228,361 | 240,742 | 232,441 |
|                            | 1913-14 | 201,549                         | 201,500    | 245,688   | 211,810    | 218,113    | 247,839   | 212,049    | 232,557 | 239,523 | 224,114 | 209,985 | 220,825 |
|                            | 1912-13 | .....                           | 196,580    | 240,473   | 214,915    | 205,751    | 247,373   | 215,897    | 219,592 | 224,283 | 228,447 | 205,436 | 221,273 |
| Alabama.....               | 1914-15 | 19,917                          | 22,612     | 23,929    | 22,749     | 24,918     | 25,493    | 25,362     | 27,368  | 27,445  | 25,248  | 27,098  | 25,138  |
|                            | 1913-14 | 24,069                          | 23,21      | 26,400    | 23,655     | 24,173     | 26,447    | 23,286     | 24,879  | 26,111  | 23,531  | 23,266  | 21,809  |
|                            | 1912-13 | .....                           | 22,069     | 26,001    | 23,115     | 21,837     | 28,174    | 23,391     | 24,267  | 25,250  | 26,811  | 23,859  | 24,977  |
| Connecticut.....           | 1914-15 | 10,359                          | 9,015      | 11,012    | 9,004      | 10,700     | 10,427    | 10,976     | 12,468  | 11,902  | 11,831  | 11,736  | 12,371  |
|                            | 1913-14 | 10,414                          | 9,776      | 12,053    | 10,976     | 11,430     | 12,083    | 10,871     | 11,577  | 11,440  | 11,091  | 10,672  | 12,111  |
|                            | 1912-13 | .....                           | 9,550      | 12,394    | 9,871      | 10,953     | 12,144    | 10,658     | 10,110  | 10,714  | 11,153  | 9,614   | 10,273  |
| Georgia.....               | 1914-15 | 42,898                          | 46,132     | 52,222    | 51,264     | 53,951     | 57,763    | 55,106     | 61,386  | 60,506  | 57,811  | 60,175  | 57,639  |
|                            | 1913-14 | 52,131                          | 53,641     | 59,757    | 53,455     | 50,744     | 58,450    | 52,368     | 56,614  | 55,828  | 51,327  | 49,800  | 47,450  |
|                            | 1912-13 | .....                           | 46,287     | 52,717    | 51,435     | 48,127     | 57,718    | 51,661     | 52,972  | 55,676  | 56,990  | 51,733  | 53,484  |
| Maine.....                 | 1914-15 | 14,771                          | 11,529     | 15,533    | 13,233     | 15,462     | 14,344    | 14,160     | 15,514  | 16,429  | 15,048  | 16,504  | 13,552  |
|                            | 1913-14 | 14,475                          | 12,392     | 16,510    | 14,864     | 16,688     | 16,286    | 14,594     | 16,717  | 15,457  | 15,263  | 13,942  | 13,778  |
|                            | 1912-13 | .....                           | 12,266     | 15,957    | 14,204     | 13,159     | 16,885    | 14,687     | 15,204  | 14,872  | 15,609  | 14,038  | 14,354  |
| Maryland.....              | 1914-15 | 4,372                           | 4,577      | 5,050     | 5,156      | 6,064      | 5,835     | 6,039      | 6,697   | 6,303   | 6,442   | 6,567   | 6,815   |
|                            | 1913-14 | 5,746                           | 6,233      | 7,094     | 6,289      | 4,890      | 5,151     | 4,996      | 6,024   | 5,679   | 5,102   | 4,906   | 4,531   |
|                            | 1912-13 | .....                           | 5,217      | 6,375     | 5,936      | 5,787      | 6,762     | 5,824      | 6,466   | 6,627   | 6,048   | 5,721   | 5,987   |
| Massachusetts.....         | 1914-15 | 63,159                          | 94,649     | 105,625   | 92,737     | 103,516    | 100,580   | 102,769    | 120,111 | 117,667 | 114,493 | 120,062 | 117,430 |
|                            | 1913-14 | 101,087                         | 100,682    | 126,021   | 106,821    | 108,692    | 130,385   | 105,764    | 118,090 | 122,385 | 115,877 | 107,373 | 112,558 |
|                            | 1912-13 | .....                           | 98,818     | 121,067   | 111,969    | 105,216    | 129,546   | 105,959    | 110,512 | 114,854 | 114,168 | 101,153 | 110,616 |
| New Hampshire.....         | 1914-15 | 19,432                          | 19,730     | 24,607    | 20,176     | 24,048     | 26,062    | 25,096     | 27,631  | 26,517  | 26,517  | 27,770  | 27,709  |
|                            | 1913-14 | 19,770                          | 22,522     | 27,748    | 23,631     | 25,331     | 27,610    | 24,261     | 26,349  | 27,836  | 25,440  | 24,091  | 26,640  |
|                            | 1912-13 | .....                           | 23,119     | 29,789    | 24,348     | 23,110     | 26,682    | 27,602     | 25,175  | 23,368  | 29,522  | 25,623  | 27,754  |
| New Jersey.....            | 1914-15 | 4,670                           | 4,913      | 5,073     | 4,426      | 4,676      | 5,101     | 4,507      | 5,232   | 4,746   | 4,533   | 4,831   | 4,296   |
|                            | 1913-14 | 4,679                           | 4,811      | 5,299     | 4,604      | 4,773      | 5,320     | 4,644      | 4,883   | 5,238   | 4,563   | 4,306   | 4,269   |
|                            | 1912-13 | .....                           | 4,539      | 5,313     | 4,526      | 4,905      | 5,295     | 4,720      | 4,922   | 5,178   | 4,818   | 4,287   | 4,606   |
| New York.....              | 1914-15 | 11,257                          | 13,731     | 15,848    | 15,030     | 17,771     | 16,814    | 17,088     | 19,899  | 19,940  | 18,610  | 20,947  | 18,994  |
|                            | 1913-14 | 17,331                          | 18,648     | 20,519    | 17,472     | 18,689     | 18,752    | 18,866     | 18,876  | 18,667  | 17,065  | 16,088  | 15,559  |
|                            | 1912-13 | .....                           | 16,713     | 18,229    | 16,041     | 16,408     | 18,452    | 17,403     | 17,935  | 18,428  | 17,741  | 16,974  | 18,691  |
| North Carolina.....        | 1914-15 | 61,084                          | 68,371     | 72,785    | 71,810     | 68,487     | 77,472    | 77,632     | 86,447  | 82,189  | 81,104  | 82,344  | 80,429  |
|                            | 1913-14 | 70,271                          | 73,790     | 79,877    | 76,678     | 72,521     | 84,877    | 76,434     | 81,012  | 80,152  | 75,250  | 74,250  | 70,447  |
|                            | 1912-13 | .....                           | 66,199     | 72,530    | 72,436     | 64,037     | 79,462    | 71,504     | 74,262  | 77,619  | 76,597  | 71,909  | 73,089  |

## SUPPLY AND DISTRIBUTION OF COTTON IN UNITED STATES.

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TABLE 34.—COTTON CONSUMED DURING EACH MONTH, BY STATES: SEPTEMBER, 1912, TO JULY, 1915—Continued.

| STATE.                | Year.   | COTTON CONSUMED (BALES) DURING— |            |          |           |           |          |           |        |        |        |        |        |
|-----------------------|---------|---------------------------------|------------|----------|-----------|-----------|----------|-----------|--------|--------|--------|--------|--------|
|                       |         | August.                         | September. | October. | November. | December. | January. | February. | March. | April. | May.   | June.  | July.  |
| Pennsylvania.....     | 1914-15 | 3,734                           | 3,780      | 3,833    | 3,299     | 3,588     | 3,566    | 3,610     | 4,041  | 3,573  | 3,757  | 4,097  | 4,013  |
|                       | 1913-14 | 4,231                           | 4,105      | 4,647    | 3,812     | 4,042     | 3,946    | 3,899     | 4,313  | 4,314  | 3,891  | 4,006  | 4,013  |
|                       | 1912-13 | .....                           | 4,841      | 4,584    | 3,967     | 4,199     | 4,739    | 4,290     | 4,388  | 4,517  | 4,221  | 3,990  | 4,210  |
| Rhode Island.....     | 1914-15 | 18,532                          | 18,777     | 19,901   | 17,659    | 20,195    | 19,811   | 19,701    | 23,082 | 23,190 | 22,124 | 23,148 | 22,122 |
|                       | 1913-14 | 18,824                          | 17,548     | 22,997   | 18,224    | 18,604    | 21,816   | 19,059    | 20,268 | 22,633 | 20,509 | 19,161 | 22,122 |
|                       | 1912-13 | .....                           | 16,816     | 21,199   | 18,887    | 17,628    | 21,593   | 19,121    | 19,350 | 20,469 | 19,947 | 19,271 | 19,901 |
| South Carolina.....   | 1914-15 | 51,767                          | 62,886     | 64,302   | 63,742    | 67,424    | 70,547   | 67,885    | 77,027 | 73,350 | 70,103 | 72,363 | 70,168 |
|                       | 1913-14 | 60,169                          | 66,274     | 71,173   | 66,593    | 66,731    | 71,788   | 65,989    | 71,003 | 71,327 | 65,860 | 63,572 | 62,691 |
|                       | 1912-13 | .....                           | 58,099     | 65,996   | 61,773    | 69,067    | 60,889   | 62,110    | 65,664 | 68,802 | 67,744 | 64,271 | 64,731 |
| Tennessee.....        | 1914-15 | 6,173                           | 6,130      | 6,502    | 6,538     | 5,137     | 7,145    | 6,962     | 7,757  | 7,903  | 7,591  | 7,949  | 7,543  |
|                       | 1913-14 | 6,120                           | 5,984      | 7,141    | 6,262     | 6,782     | 7,168    | 6,492     | 7,003  | 7,170  | 6,806  | 6,426  | 6,183  |
|                       | 1912-13 | .....                           | 5,178      | 6,840    | 6,100     | 5,799     | 6,977    | 5,253     | 6,485  | 6,792  | 6,312  | 6,033  | 6,422  |
| Virginia.....         | 1914-15 | 6,150                           | 6,967      | 7,271    | 7,636     | 7,797     | 8,298    | 8,495     | 9,174  | 9,795  | 8,620  | 8,739  | 8,772  |
|                       | 1913-14 | 6,639                           | 6,917      | 6,924    | 6,959     | 6,259     | 8,042    | 7,184     | 7,732  | 7,223  | 7,655  | 7,047  | 7,474  |
|                       | 1912-13 | .....                           | 6,355      | 7,832    | 7,809     | 6,510     | 8,065    | 7,313     | 7,470  | 8,200  | 7,841  | 7,332  | 7,128  |
| All other states..... | 1914-15 | 15,405                          | 17,165     | 18,406   | 16,247    | 17,005    | 18,604   | 17,010    | 21,033 | 20,800 | 19,966 | 20,325 | 19,846 |
|                       | 1913-14 | 15,795                          | 15,280     | 17,763   | 16,166    | 15,943    | 18,178   | 16,534    | 18,099 | 18,316 | 17,454 | 16,899 | 16,758 |
|                       | 1912-13 | .....                           | 14,816     | 17,005   | 16,383    | 15,727    | 17,811   | 16,599    | 17,273 | 17,140 | 16,481 | 15,299 | 15,989 |

The quantities of foreign cotton consumed during the several months are given in Table 35, for the United States, for the cotton-growing states, and for all other states separately, with the total stocks on hand in consuming establishments at the close of each month.

TABLE 35.—FOREIGN COTTON CONSUMED AND ON HAND IN CONSUMING ESTABLISHMENTS, BY MONTHS: SEPTEMBER, 1912, TO JULY, 1915.

| MONTH.         | Year. | FOREIGN COTTON (EQUIVALENT 500-POUND BALES). |                        |                   |                                      | MONTH.      | Year. | FOREIGN COTTON (EQUIVALENT 500-POUND BALES). |                        |                   |                                      |
|----------------|-------|--|------------------------|-------------------|--------------------------------------|-------------|-------|--|------------------------|-------------------|--------------------------------------|
|                |       | Consumed.                                    |                        |                   | On hand in consuming establishments. |             |       | Consumed.                                    |                        |                   | On hand in consuming establishments. |
|                |       | United States.                               | Cotton-growing states. | All other states. |                                      |             |       | United States.                               | Cotton-growing states. | All other states. |                                      |
| September..... | 1914  | 14,162                                       | 1,170                  | 12,992            | 58,193                               | March.....  | 1915  | 21,565                                       | 1,170                  | 20,395            | 61,763                               |
|                | 1913  | 14,256                                       | 969                    | 13,287            | 71,241                               |             | 1914  | 18,181                                       | 1,261                  | 16,920            | 58,497                               |
|                | 1912  | 18,899                                       | 1,202                  | 17,697            | 79,340                               |             | 1913  | 20,617                                       | 1,245                  | 19,372            | 92,364                               |
| October.....   | 1914  | 15,535                                       | 1,299                  | 14,236            | 52,612                               | April.....  | 1915  | 22,886                                       | 1,289                  | 21,597            | 80,260                               |
|                | 1913  | 17,955                                       | 1,056                  | 16,899            | 61,474                               |             | 1914  | 20,577                                       | 1,193                  | 19,384            | 60,716                               |
|                | 1912  | 23,298                                       | 1,338                  | 21,960            | 68,234                               |             | 1913  | 21,075                                       | 1,315                  | 19,760            | 98,823                               |
| November.....  | 1914  | 13,512                                       | 851                    | 12,661            | 47,530                               | May.....    | 1915  | 22,194                                       | 1,352                  | 20,842            | 93,382                               |
|                | 1913  | 13,453                                       | 969                    | 12,484            | 53,169                               |             | 1914  | 19,625                                       | 1,220                  | 18,405            | 67,910                               |
|                | 1912  | 18,189                                       | 1,022                  | 17,167            | 54,990                               |             | 1913  | 19,636                                       | 1,084                  | 18,552            | 96,157                               |
| December.....  | 1914  | 16,694                                       | 1,041                  | 15,653            | 45,052                               | June.....   | 1915  | 22,632                                       | 1,180                  | 21,452            | 101,573                              |
|                | 1913  | 13,156                                       | 730                    | 12,426            | 50,384                               |             | 1914  | 16,800                                       | 1,063                  | 15,737            | 66,023                               |
|                | 1912  | 20,168                                       | 1,299                  | 18,869            | 56,940                               |             | 1913  | 15,837                                       | 1,220                  | 14,617            | 90,654                               |
| January.....   | 1915  | 18,151                                       | 1,180                  | 16,971            | 54,733                               | July.....   | 1915  | 21,637                                       | 1,012                  | 20,625            | 108,782                              |
|                | 1914  | 15,043                                       | 858                    | 14,185            | 50,704                               |             | 1914  | 17,276                                       | 883                    | 16,393            | 62,258                               |
|                | 1913  | 24,738                                       | 1,380                  | 23,358            | 74,451                               |             | 1913  | 15,482                                       | 987                    | 14,495            | 82,571                               |
| February.....  | 1915  | 18,807                                       | 1,066                  | 17,741            | 60,801                               | August..... | 1914  | 14,383                                       | 1,047                  | 13,336            | 61,149                               |
|                | 1914  | 13,604                                       | 1,074                  | 12,530            | 45,665                               |             | 1913  | 13,615                                       | 836                    | 12,779            | 79,979                               |
|                | 1913  | 21,375                                       | 1,387                  | 19,988            | 83,696                               |             |       |  |                        |                   |                                      |



## COTTON PRODUCTION AND DISTRIBUTION.

*Cotton stocks on specified dates.*—The following table distributes, by states, the cotton on hand in consuming establishments, and in public storage and at compresses at the close of each month during the year ending

July 31, 1915. It does not include cotton in transit and in private warehouses, or cotton in the hands of buyers, merchants, and producers.

TABLE 36.—COTTON ON HAND IN CONSUMING ESTABLISHMENTS, AND IN PUBLIC STORAGE, AND AT COMPRESSES AT THE CLOSE OF EACH MONTH, BY STATES: AUGUST, 1914, TO JULY, 1915.

[Quantities are given in running bales, except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales. Linters are not included.]

| STATE AND CLASS OF HOLDER.                      | COTTON ON HAND (BALES). |           |           |           |           |           |           |           |           |           |           |           |
|---|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|   | 1914                    |           |           |           |           | 1915      |           |           |           |           |           |           |
|   | Aug. 31.                | Sept. 30. | Oct. 31.  | Nov. 30.  | Dec. 31.  | Jan. 31.  | Feb. 28.  | Mar. 31.  | Apr. 30.  | May 31.   | June 30.  | July 31.  |
| In consuming establishments, total...           | 675,873                 | 556,892   | 715,623   | 1,062,102 | 1,343,229 | 1,516,443 | 1,654,169 | 1,741,949 | 1,830,979 | 1,799,309 | 1,623,526 | 1,401,185 |
| In cotton-growing states.....                   | 195,480                 | 162,224   | 334,484   | 559,135   | 692,870   | 752,450   | 812,027   | 839,612   | 872,407   | 823,231   | 699,559   | 577,201   |
| In all other states.....                        | 480,393                 | 394,668   | 381,139   | 502,967   | 650,359   | 763,993   | 842,142   | 902,337   | 958,572   | 976,078   | 923,967   | 823,984   |
| In public storage and at compresses, total..... | 546,924                 | 1,063,625 | 3,777,469 | 4,998,414 | 5,137,902 | 4,065,346 | 4,075,435 | 3,378,734 | 2,848,692 | 2,439,708 | 2,085,612 | 1,784,910 |
| In cotton-growing states.....                   | 406,837                 | 1,552,297 | 3,672,236 | 4,867,316 | 5,005,155 | 4,472,694 | 3,850,526 | 3,094,643 | 2,511,205 | 2,065,361 | 1,717,203 | 1,443,475 |
| In all other states.....                        | 140,087                 | 111,328   | 105,233   | 131,098   | 132,747   | 192,652   | 224,909   | 284,091   | 337,487   | 374,347   | 368,409   | 341,434   |
| Alabama:  |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 17,433                  | 12,542    | 31,219    | 47,772    | 64,841    | 76,725    | 85,305    | 90,236    | 91,927    | 85,638    | 72,210    | 59,631    |
| In public storage and at compresses.....        | 34,728                  | 215,572   | 480,385   | 601,730   | 639,784   | 536,555   | 465,611   | 380,209   | 324,745   | 280,673   | 253,643   | 225,367   |
| Arkansas:                                       |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 158                     | 101       | 80        | 457       | 729       | 1,323     | 1,388     | 1,393     | 1,322     | 1,087     | 851       | 587       |
| In public storage and at compresses.....        | 13,002                  | 40,923    | 147,485   | 234,485   | 239,185   | 217,094   | 182,206   | 161,350   | 86,954    | 51,633    | 40,289    | 31,296    |
| Connecticut:                                    |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 36,036                  | 31,072    | 27,930    | 34,289    | 41,134    | 40,982    | 56,547    | 58,771    | 60,434    | 57,753    | 54,431    | 47,142    |
| Georgia:  |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 33,934                  | 38,273    | 88,550    | 154,222   | 186,977   | 200,272   | 210,689   | 220,274   | 227,185   | 212,005   | 187,276   | 160,280   |
| In public storage and at compresses.....        | 96,792                  | 437,282   | 876,717   | 1,028,346 | 1,066,947 | 922,285   | 771,112   | 636,266   | 531,706   | 467,832   | 403,713   | 345,731   |
| Louisiana:                                      |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 221                     | 255       | 413       | 392       | 223       | 340       | 785       | 760       | 1,058     | 1,070     | 953       | 171       |
| In public storage and at compresses.....        | 39,956                  | 75,683    | 191,783   | 274,255   | 332,811   | 336,257   | 311,875   | 273,099   | 266,815   | 242,006   | 206,481   | 167,022   |
| Maine:  |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 27,173                  | 23,722    | 22,058    | 35,858    | 50,595    | 60,006    | 69,156    | 69,749    | 74,005    | 67,893    | 59,801    | 53,018    |
| Massachusetts:                                  |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 229,734                 | 189,227   | 174,852   | 217,078   | 280,072   | 332,222   | 372,198   | 410,294   | 448,196   | 469,269   | 454,191   | 401,497   |
| In public storage and at compresses.....        | 35,322                  | 31,981    | 30,084    | 38,426    | 27,442    | 53,810    | 56,996    | 67,352    | 80,268    | 84,084    | 79,716    | 73,622    |
| Mississippi:                                    |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 1,387                   | 1,194     | 3,358     | 3,980     | 4,442     | 5,359     | 4,734     | 4,778     | 5,183     | 5,023     | 4,362     | 3,263     |
| In public storage and at compresses.....        | 14,272                  | 91,614    | 254,548   | 382,116   | 406,882   | 309,062   | 280,826   | 186,510   | 139,137   | 99,046    | 82,798    | 70,278    |
| New Hampshire:                                  |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 64,288                  | 52,542    | 53,008    | 56,789    | 77,811    | 99,981    | 109,812   | 120,195   | 125,937   | 124,264   | 109,512   | 97,856    |
| New Jersey: <sup>1</sup>                        |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 17,558                  | 15,942    | 16,744    | 22,793    | 21,658    | 20,770    | 21,355    | 24,124    | 23,183    | 21,413    | 20,904    | 19,918    |
| New York:                                       |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 23,453                  | 19,701    | 26,876    | 42,508    | 62,063    | 73,786    | 82,031    | 84,478    | 88,409    | 90,177    | 83,057    | 73,095    |
| In public storage and at compresses.....        | 81,219                  | 58,526    | 46,837    | 44,608    | 59,131    | 79,010    | 108,422   | 132,053   | 196,358   | 231,777   | 238,082   | 225,588   |
| North Carolina:                                 |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 72,507                  | 55,365    | 99,182    | 154,054   | 203,063   | 208,326   | 227,362   | 236,109   | 247,507   | 236,001   | 196,614   | 157,702   |
| In public storage and at compresses.....        | 15,953                  | 20,299    | 69,648    | 104,745   | 131,850   | 139,508   | 141,754   | 141,024   | 129,264   | 120,779   | 110,595   | 81,439    |
| Oklahoma:                                       |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 563                     | 359       | 47        | 340       | 308       | 511       | 93        | 327       | 314       | 443       | 115       | 6         |
| In public storage and at compresses.....        | 485                     | 40,778    | 183,456   | 278,090   | 206,033   | 177,340   | 128,426   | 92,650    | 36,881    | 21,744    | 18,306    | 13,244    |
| Pennsylvania:                                   |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 6,123                   | 5,780     | 7,287     | 10,806    | 11,806    | 11,527    | 11,886    | 11,972    | 12,391    | 11,898    | 10,917    | 10,421    |
| In public storage and at compresses.....        | 1,482                   | 2,022     | 2,948     | 6,684     | 11,914    | 16,897    | 18,395    | 18,240    | 18,732    | 18,635    | 18,379    | 17,799    |
| Rhode Island: <sup>1</sup>                      |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 62,543                  | 47,326    | 39,713    | 68,597    | 80,604    | 87,468    | 90,402    | 93,078    | 94,794    | 102,018   | 101,010   | 93,720    |
| South Carolina:                                 |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 49,523                  | 38,816    | 76,412    | 133,079   | 169,437   | 180,273   | 190,344   | 189,288   | 199,658   | 189,358   | 155,797   | 125,195   |
| In public storage and at compresses.....        | 27,099                  | 62,361    | 218,263   | 338,828   | 380,457   | 347,496   | 318,358   | 259,543   | 222,535   | 205,472   | 181,038   | 156,484   |
| Tennessee:                                      |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 7,665                   | 5,059     | 12,636    | 24,355    | 23,390    | 35,683    | 36,892    | 37,163    | 35,414    | 32,874    | 28,567    | 24,971    |
| In public storage and at compresses.....        | 10,683                  | 35,010    | 159,652   | 254,031   | 282,783   | 251,061   | 226,285   | 194,735   | 135,669   | 101,350   | 94,058    | 66,633    |
| Texas:  |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 2,689                   | 2,309     | 8,484     | 13,614    | 14,095    | 17,581    | 19,073    | 19,275    | 19,025    | 15,794    | 13,383    | 9,809     |
| In public storage and at compresses.....        | 139,848                 | 508,688   | 1,051,345 | 1,294,709 | 1,207,836 | 1,109,338 | 912,165   | 667,883   | 543,404   | 400,758   | 260,541   | 220,443   |
| Virginia:                                       |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 5,504                   | 4,139     | 6,630     | 12,446    | 9,792     | 12,352    | 16,756    | 19,456    | 22,361    | 22,604    | 20,000    | 17,731    |
| In public storage and at compresses.....        | 12,015                  | 12,587    | 24,684    | 46,128    | 64,251    | 74,033    | 71,338    | 78,600    | 68,875    | 58,755    | 55,191    | 46,525    |
| All other states:                               |                         |           |           |           |           |           |           |           |           |           |           |           |
| In consuming establishments.....                | 17,381                  | 13,168    | 19,544    | 33,673    | 39,290    | 41,356    | 47,451    | 50,239    | 52,676    | 52,727    | 50,575    | 45,112    |
| In public storage and at compresses.....        | 24,068                  | 24,199    | 39,634    | 71,173    | 80,596    | 95,599    | 81,689    | 69,535    | 67,259    | 54,554    | 42,722    | 33,401    |

<sup>1</sup> Warehouse stocks included in "All other states."

## COTTON EXPORTS.

Table 37 shows the yearly exports of domestic raw cotton and linters, by customs districts, for the past five years.

The exports of domestic raw cotton and linters from the United States for the year ending July 31, 1915, amounted to 8,544,563 bales. Galveston, with

a total of 3,433,241, ranked first among the customs districts in 1915, followed by New Orleans, with 1,545,415 bales; Georgia, with 1,469,456 bales; and New York, with 482,195 bales. The combined exports for the first three districts named amounted to 6,448,115 bales and represented 75.4 per cent of the total for the country.

TABLE 37.—EXPORTS OF DOMESTIC RAW COTTON AND LINTERS FROM THE UNITED STATES, BY CUSTOMS DISTRICTS: 1911 TO 1915.

[Compiled by the Bureau of Foreign and Domestic Commerce, Department of Commerce. The statistics for 1915 relate to the 12 months ending July 31, and those for prior years to the 12 months ending Aug. 31.]

| CUSTOMS DISTRICT.            | EXPORTS OF DOMESTIC COTTON AND LINTERS (RUNNING BALES). |           |           |            |           | CUSTOMS DISTRICT.        | EXPORTS OF DOMESTIC COTTON AND LINTERS (RUNNING BALES). |         |         |         |         |
|------------------------------|---|-----------|-----------|------------|-----------|--------------------------|---|---------|---------|---------|---------|
|                              | 1915  | 1914      | 1913      | 1912       | 1911      |                          | 1915  | 1914    | 1913    | 1912    | 1911    |
| Total.....                   | 8,544,563   | 8,914,839 | 8,800,966 | 10,681,758 | 7,781,414 | Eagle Pass.....          |   |         |         |         | 50      |
| Maine and New Hampshire..... | 6,398   | 2,643     | 7,950     | 12,280     | 6,298     | El Paso.....             |   |         |         |         | 144     |
| Massachusetts.....           | 111,170   | 94,454    | 159,589   | 186,779    | 109,921   | Arizona.....             |   | 298     | 325     | 700     | 955     |
| New York.....                | 482,195   | 359,421   | 615,418   | 655,078    | 744,479   | San Francisco.....       | 194,020   | 179,255 | 262,917 | 211,778 | 84,955  |
| Philadelphia.....            | 34,906  | 58,906    | 62,264    | 90,482     | 68,177    | Oregon.....              |   |         | 3,716   |         | 500     |
| Maryland.....                | 61,066  | 173,187   | 84,512    | 130,466    | 119,584   | Washington.....          | 257,363   | 76,198  | 104,506 | 213,825 | 57,249  |
| Virginia.....                | 74,549  | 136,363   | 73,070    | 21,666     | 16,010    | Dakota.....              | 2,382   | 533     | 520     | 4       | 39      |
| North Carolina.....          | 203,294   | 353,273   | 317,831   | 502,426    | 383,112   | Minnesota.....           |   |         | 908     | 753     | 274     |
| South Carolina.....          | 260,819   | 305,338   | 228,482   | 249,864    | 128,985   | Duluth and Superior..... | 40  | 104     | 50      |         |         |
| Georgia.....                 | 1,469,456   | 1,513,039 | 1,048,006 | 2,158,824  | 1,100,958 | Michigan.....            | 98,698  | 100,333 | 91,021  | 122,472 | 100,612 |
| Florida.....                 | 81,739  | 164,124   | 125,009   | 216,424    | 124,056   | Ohio.....                | 50  |         |         | 350     |         |
| Mobile.....                  | 95,611  | 369,613   | 143,147   | 357,110    | 219,429   | Buffalo.....             | 9,002   | 11,879  | 8,049   | 5,462   | 6,014   |
| New Orleans.....             | 1,545,415   | 1,705,559 | 1,350,336 | 1,600,627  | 1,513,023 | St. Lawrence.....        | 11,640  | 7,190   | 8,037   | 16,024  | 3,185   |
| Sabine.....                  | 51,729  | 32,808    | 138,642   | 199,887    | 206,943   | Vermont.....             | 54,824  | 19,755  | 22,062  | 23,324  | 27,352  |
| Galveston.....               | 3,433,241   | 3,214,567 | 3,884,735 | 3,700,237  | 2,761,529 | Porto Rico.....          | 27  | 273     | 61      | 131     | 90      |
| Laredo.....                  | 618   | 35,728    | 59,713    | 4,782      | 491       | Hawaii.....              | 11  | 18      |         |         |         |
|                              |   |           |           |            |           | Southern California..... | 4,500   |         |         |         |         |

*Net receipts of cotton, by ports.*—The term "net receipts of cotton," as here employed, means the amount of domestic cotton received which has not been transshipped from some other port and already included in the latter's receipts. These statistics must not be confused with those of exports. They include large

quantities of cotton carried in the coastwise trade to New England and other northern states and consumed in this country, as well as cotton carried to other ports and then exported. The statistics of such net receipts for the principal cotton-handling ports are presented in Table 38.

TABLE 38.—NET RECEIPTS OF RAW COTTON AT PRINCIPAL COTTON PORTS, FOR SPECIFIED YEARS: 1875 TO 1915.

[Compiled from Reports of New Orleans Cotton Exchange. The statistics for 1915 relate to the 12 months ending July 31, and those for prior years to the 12 months ending Aug. 31.]

|                                 | NET RECEIPTS OF COTTON (RUNNING BALES). |           |           |           |           |           |           |                  |                  |                |                |                |                |
|---------------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|------------------|------------------|----------------|----------------|----------------|----------------|
| PORT.                           | 1915                                    | 1914      | 1913      | 1912      | 1911      | 1910      | 1905      | 1900             | 1895             | 1890           | 1885           | 1880           | 1875           |
| Galveston.....                  | 4,001,710                               | 3,365,460 | 4,035,114 | 3,727,958 | 2,948,354 | 2,501,412 | 2,879,336 | 1,710,263<br>(1) | 1,659,999<br>(1) | 800,112<br>(1) | 463,463<br>(1) | 480,352<br>(1) | 354,927<br>(1) |
| Port Arthur and Texas City..... | 560,103                                 | 513,439   | 805,313   | 786,355   | 527,989   | 193,778   | (1)       | (1)              | (1)              | (1)            | (1)            | (1)            | (1)            |
| New Orleans.....                | 1,810,184                               | 1,890,758 | 1,436,959 | 1,662,698 | 1,608,208 | 1,315,328 | 2,689,520 | 1,867,153        | 2,584,115        | 1,973,571      | 1,529,592      | 1,504,654      | 993,481        |
| Mobile.....                     | 166,997                                 | 431,918   | 230,699   | 384,239   | 250,921   | 255,665   | 320,556   | 340,046<br>(1)   | 263,187<br>(1)   | 261,957<br>(1) | 237,071<br>(1) | 358,971<br>(1) | 320,822<br>(1) |
| Pensacola.....                  | 87,236                                  | 165,806   | 125,633   | 216,114   | 125,343   | 133,234   | 195,151   | (1)              | (1)              | (1)            | (1)            | (1)            | (1)            |
| Brunswick.....                  | 215,504                                 | 285,173   | 240,500   | 425,462   | 218,946   | 227,301   | 199,193   | 94,278<br>(1)    | (1)              | (1)            | (1)            | (1)            | (1)            |
| Savannah.....                   | 1,762,418                               | 1,822,370 | 1,306,864 | 2,386,302 | 1,462,152 | 1,365,825 | 1,877,343 | 1,088,807<br>(1) | 944,410<br>(1)   | 956,517<br>(1) | 728,087<br>(1) | 741,018<br>(1) | 606,727<br>(1) |
| Charleston.....                 | 405,504                                 | 423,920   | 310,293   | 416,013   | 286,528   | 228,728   | 225,366   | 265,523<br>(1)   | 425,487<br>(1)   | 327,079<br>(1) | 507,502<br>(1) | 464,332<br>(1) | 412,031<br>(1) |
| Wilmington.....                 | 279,097                                 | 399,023   | 342,953   | 548,122   | 410,152   | 312,511   | 375,383   | 282,360<br>(1)   | 234,621<br>(1)   | 134,916<br>(1) | 94,054<br>(1)  | 78,876<br>(1)  | 76,001<br>(1)  |
| Norfolk and Newport News.....   | 829,683                                 | 744,419   | 722,803   | 862,217   | 593,681   | 587,363   | 841,174   | 432,727<br>(1)   | 472,540<br>(1)   | 404,056<br>(1) | 545,418<br>(1) | 590,032<br>(1) | 387,279<br>(1) |
| Baltimore.....                  | 83,114                                  | 103,810   | 84,661    | 125,393   | 119,104   | 85,526    | 72,427    | 101,648<br>(1)   | (1)              | (1)            | (1)            | (1)            | (1)            |
| Philadelphia.....               | 11,134                                  | 5,491     | 8,326     | 3,972     | 515       | 2,581     | 13,645    | 36,238<br>(1)    | (1)              | (1)            | (1)            | (1)            | (1)            |
| New York.....                   | 30,022                                  | 6,732     | 15,326    | 6,961     | 14,790    | 40,706    | 33,798    | 119,215<br>(1)   | 187,794<br>(1)   | 176,502<br>(1) | 99,200<br>(1)  | 229,426<br>(1) | 179,163<br>(1) |
| Boston.....                     | 88,043                                  | 21,578    | 46,222    | 63,112    | 39,093    | 14,792    | 83,644    | 118,891<br>(1)   | (1)              | (1)            | (1)            | (1)            | (1)            |
| San Francisco.....              | 189,561                                 | 177,048   | 257,220   | 194,995   | 100,787   |           |           |                  |                  |                |                |                |                |
| Seattle and Tacoma.....         | 277,269                                 | 78,271    | 107,015   | 214,219   | 57,120    |           |           |                  |                  |                |                |                |                |

<sup>1</sup> Not shown separately.<sup>2</sup> Includes receipts of Pensacola.<sup>3</sup> Included in receipts of Mobile.<sup>4</sup> Not available for years prior to 1911.

The three most important cotton ports, in the order of their importance, are Galveston, New Orleans, and Savannah, and their net receipts during the year ending July 31, 1915, amounted to 7,574,312 bales, or nearly 50 per cent of the total quantity of cotton produced in the country from the crop of 1914. The relatively large net receipts at Galveston in recent years are due largely to the increase in cotton production in Texas and Oklahoma and, to some extent, to increased transportation facilities.

*Exports of cotton, by countries to which exported.*—The annual exports of domestic raw cotton from 1821 to 1915, by countries, and the total value of these exports, are shown in Table 39. The quantities cover the fiscal year, while those in Table 37 relate to the cotton year.

Table 39 shows the development of the export trade in raw cotton to the several countries. The total quantity exported during the year ending June 30, 1915, amounted to 8,807,157 bales of 500 pounds each, valued at \$376,217,972. Of this cotton, 3,919,749 bales, or 44.5 per cent, were exported to the United Kingdom, 1,127,400 bales to Italy, and 692,699 to France. Germany, which during the preceding year took 2,884,324 bales, or 30.3 per cent of the total during that year, took only 294,194 bales, or 3.3 per cent of the total in 1915. This marked change was due to the European war, which also affected the exports to a number of other countries. Italy, Spain, Netherlands, and other European countries show large gains, while Germany, France, Belgium, Russia, and Austria-Hungary show material reductions.

## COTTON PRODUCTION AND DISTRIBUTION.

TABLE 39.—EXPORTS OF DOMESTIC COTTON AND LINTERS—VALUE AND QUANTITY, WITH DISTRIBUTION OF QUANTITIES, BY COUNTRIES TO WHICH EXPORTED: 1821 TO 1915.

[Compiled from Commerce and Navigation of the United States. The statistics of exports since 1865 differ slightly from those shown in Table 42 because of a difference in the years to which they relate. The figures of this table are for fiscal years.]

| EXPORTS OF DOMESTIC COTTON (EQUIVALENT 500-POUND BALES) TO— |               |            |                 |           |           |           |         |          |         |                  |              |                   |         |         |         |                      |
|---|---------------|------------|-----------------|-----------|-----------|-----------|---------|----------|---------|------------------|--------------|-------------------|---------|---------|---------|----------------------|
| YEAR.   | Total value.  | Total.     | United Kingdom. | Germany.  | France.   | Italy.    | Spain.  | Belgium. | Russia. | Austria-Hungary. | Netherlands. | All other Europe. | Japan.  | Canada. | Mexico. | All other countries. |
| 1915.   | \$376,217,072 | 8,807,157  | 3,919,749       | 294,194   | 692,699   | 1,127,400 | 464,504 | 5,057    | 82,125  | 455              | 544,035      | 898,096           | 428,806 | 182,790 | 39,727  | 127,520              |
| 1914.   | 610,475,301   | 9,521,881  | 3,551,501       | 2,884,324 | 1,139,399 | 537,357   | 297,339 | 227,474  | 96,076  | 106,511          | 35,053       | 63,725            | 353,440 | 150,993 | 34,671  | 11,018               |
| 1913.   | 547,357,195   | 9,121,591  | 3,716,898       | 2,443,886 | 1,074,987 | 500,823   | 317,954 | 226,967  | 74,907  | 113,182          | 14,537       | 55,370            | 396,779 | 152,015 | 20,977  | 15,303               |
| 1912.   | 565,849,271   | 11,070,251 | 4,343,108       | 3,156,171 | 1,223,294 | 636,077   | 313,500 | 211,903  | 112,262 | 125,564          | 35,242       | 83,821            | 480,984 | 181,667 | 16,129  | 145,579              |
| 1911.   | 585,318,869   | 8,067,882  | 3,401,054       | 2,202,707 | 1,021,998 | 436,296   | 242,073 | 150,225  | 84,941  | 79,530           | 18,124       | 48,713            | 156,724 | 156,824 | 4,631   | 4,042                |
| 1910.   | 450,447,213   | 6,413,416  | 2,444,558       | 1,887,657 | 968,422   | 393,327   | 178,455 | 102,346  | 67,203  | 57,220           | 18,523       | 43,378            | 95,000  | 125,592 | 20,604  | 1,831                |
| 1909.   | 417,360,655   | 8,895,970  | 3,065,355       | 2,438,080 | 1,098,173 | 565,695   | 301,789 | 157,631  | 96,675  | 94,782           | 30,129       | 53,174            | 208,943 | 131,453 | 42,575  | 6,506                |
| 1908.   | 437,788,202   | 7,633,997  | 2,956,352       | 2,385,663 | 889,088   | 418,921   | 262,744 | 119,470  | 93,371  | 90,049           | 27,684       | 62,125            | 200,396 | 113,947 | 4,767   | 4,375                |
| 1907.   | 481,277,797   | 9,036,434  | 3,966,119       | 2,315,651 | 1,006,638 | 567,916   | 275,868 | 154,168  | 121,141 | 113,630          | 29,092       | 65,033            | 262,283 | 150,343 | 7,322   | 7,775                |
| 1906.   | 401,005,921   | 7,268,090  | 3,181,143       | 1,871,441 | 817,583   | 486,007   | 241,747 | 114,673  | 112,480 | 56,375           | 18,490       | 44,486            | 147,269 | 141,908 | 29,285  | 4,603                |
| 1905.   | 379,965,014   | 8,609,698  | 3,967,254       | 2,011,679 | 818,304   | 534,735   | 295,537 | 145,564  | 129,060 | 62,572           | 31,163       | 72,911            | 336,575 | 115,857 | 79,082  | 9,405                |
| 1904.   | 370,811,246   | 6,126,386  | 2,475,752       | 1,797,354 | 734,286   | 363,295   | 184,862 | 105,213  | 168,506 | 28,158           | 16,055       | 61,488            | 45,870  | 88,795  | 50,172  | 580                  |
| 1903.   | 316,180,429   | 7,086,086  | 2,790,066       | 1,915,094 | 806,676   | 441,950   | 266,336 | 157,351  | 181,938 | 39,912           | 42,542       | 82,243            | 152,826 | 127,640 | 66,507  | 2,978                |
| 1902.   | 290,651,819   | 7,001,558  | 3,132,324       | 1,705,315 | 775,773   | 445,437   | 270,002 | 132,232  | 73,446  | 39,757           | 22,418       | 61,679            | 178,505 | 129,016 | 27,500  | 7,054                |
| 1901.   | 313,073,443   | 6,061,781  | 3,100,557       | 1,629,935 | 751,329   | 365,359   | 237,346 | 151,682  | 53,171  | 37,238           | 53,180       | 52,325            | 78,558  | 102,980 | 35,103  | 718                  |
| 1900.   | 241,832,737   | 6,201,166  | 2,302,128       | 1,619,173 | 736,092   | 443,951   | 246,012 | 148,319  | 54,950  | 44,919           | 74,635       | 65,635            | 323,202 | 100,983 | 18,522  | 13,045               |
| 1899.   | 209,564,774   | 7,546,821  | 3,609,444       | 1,728,975 | 803,406   | 417,353   | 248,635 | 129,524  | 95,012  | 57,127           | 51,621       | 84,500            | 182,734 | 98,230  | 36,130  | 4,130                |
| 1898.   | 230,442,215   | 7,700,529  | 3,532,101       | 1,858,525 | 842,038   | 387,581   | 263,648 | 161,941  | 103,825 | 35,614           | 43,509       | 69,189            | 224,214 | 122,495 | 42,433  | 13,416               |
| 1897.   | 230,890,971   | 6,207,510  | 3,127,186       | 1,371,577 | 716,025   | 323,117   | 219,088 | 83,485   | 84,570  | 23,971           | 34,731       | 48,790            | 64,022  | 80,403  | 30,207  | 333                  |
| 1896.   | 190,056,460   | 4,670,453  | 2,267,222       | 1,038,457 | 478,265   | 261,644   | 216,178 | 87,966   | 91,622  | 15,912           | 14,219       | 51,367            | 40,388  | 68,074  | 38,817  | 322                  |
| 1895.   | 211,900,990   | 7,034,866  | 3,553,782       | 1,504,631 | 790,699   | 332,656   | 255,679 | 145,340  | 141,998 | 24,852           | 25,999       | 53,319            | 22,130  | 103,534 | 75,953  | 294                  |
| 1894.   | 210,869,289   | 5,366,565  | 2,970,903       | 909,380   | 610,854   | 211,716   | 225,364 | 128,907  | 140,082 | 960              | 18,581       | 39,686            | 9,603   | 65,085  | 35,105  | 270                  |
| 1893.   | 188,771,445   | 4,424,240  | 2,363,176       | 850,387   | 568,059   | 160,019   | 202,212 | 90,399   | 36,350  | .....            | 20,614       | 22,449            | 1,586   | 62,988  | 41,812  | 173                  |
| 1892.   | 258,461,241   | 5,870,440  | 3,381,685       | 964,883   | 682,785   | 171,003   | 187,453 | 134,373  | 134,392 | 10,052           | 27,925       | 38,996            | 3,149   | 79,228  | 44,235  | 276                  |
| 1891.   | 290,712,898   | 5,814,718  | 3,401,212       | 1,019,144 | 553,100   | 194,022   | 218,399 | 97,232   | 135,611 | 4,447            | 43,669       | 47,478            | 4,813   | 69,261  | 26,082  | 974                  |
| 1890.   | 250,968,702   | 4,943,600  | 2,905,152       | 837,641   | 484,759   | 129,751   | 175,339 | 93,588   | 193,163 | 300              | 17,438       | 19,927            | .....   | 58,473  | 26,095  | 1,970                |
| 1889.   | 237,775,270   | 4,769,633  | 2,940,800       | 660,756   | 400,197   | 131,068   | 181,533 | 147,807  | 144,036 | 5,010            | 44,354       | 18,264            | .....   | 61,143  | 33,802  | 263                  |
| 1888.   | 223,016,760   | 4,528,242  | 2,538,525       | 560,624   | 392,197   | 110,375   | 169,331 | 130,701  | 216,798 | .....            | 27,725       | 18,203            | .....   | 52,052  | 11,114  | 152                  |
| 1887.   | 206,227,057   | 4,338,915  | 2,713,515       | 561,684   | 466,090   | 73,222    | 138,499 | 110,288  | 151,267 | .....            | 43,735       | 20,519            | .....   | 47,904  | 11,951  | 261                  |
| 1886.   | 205,085,642   | 4,116,075  | 2,444,482       | 569,435   | 401,643   | 110,473   | 168,414 | 125,066  | 184,924 | 5,252            | 31,672       | 10,053            | .....   | 37,425  | 21,035  | 198                  |
| 1885.   | 201,962,453   | 3,783,319  | 2,419,834       | 468,987   | 361,462   | 79,041    | 135,319 | 85,664   | 135,131 | 3,898            | 37,930       | 17,750            | .....   | 26,398  | 11,754  | 151                  |
| 1884.   | 197,015,204   | 3,725,145  | 2,384,254       | 363,655   | 457,369   | 51,725    | 135,928 | 30,863   | 193,639 | 1,762            | 58,913       | 11,027            | .....   | 10,216  | 22,368  | 26                   |
| 1883.   | 247,328,721   | 4,570,150  | 2,776,411       | 539,593   | 428,829   | 80,807    | 190,039 | 42,055   | 347,354 | 4,656            | 57,610       | 28,780            | .....   | 32,636  | 41,155  | 535                  |
| 1882.   | 189,812,644   | 3,479,952  | 2,361,793       | 324,902   | 333,541   | 44,073    | 115,204 | 4,732    | 184,233 | 189              | 39,820       | 16,706            | .....   | 35,159  | 25,075  | 405                  |
| 1881.   | 247,695,746   | 4,381,857  | 2,720,672       | 460,192   | 558,584   | 75,145    | 127,741 | 18,318   | 267,714 | 4,218            | 67,502       | 18,211            | .....   | 25,960  | 26,772  | 558                  |
| 1880.   | 211,535,905   | 3,644,122  | 2,433,255       | 308,045   | 359,693   | 59,126    | 133,873 | 17,896   | 204,500 | 1,699            | 65,325       | 21,097            | .....   | 19,619  | 19,763  | 231                  |
| 1879.   | 162,304,260   | 3,256,746  | 1,967,549       | 274,969   | 393,977   | 47,617    | 141,215 | 19,127   | 308,647 | 2,533            | 51,734       | 13,280            | .....   | 15,481  | 19,796  | 821                  |
| 1878.   | 150,301,484   | 3,215,067  | 2,079,897       | 243,298   | 472,062   | 36,221    | 81,371  | 23,383   | 170,858 | 3,636            | 55,909       | 22,413            | .....   | 14,105  | 6,844   | 10                   |
| 1877.   | 171,118,508   | 2,890,738  | 2,040,731       | 155,211   | 438,178   | 23,096    | 92,061  | 4,597    | 50,219  | .....            | 53,711       | 13,202            | .....   | 11,017  | 7,940   | 775                  |
| 1876.   | 192,659,262   | 2,982,811  | 1,914,660       | 217,092   | 407,952   | 46,759    | 95,122  | 31,076   | 101,794 | .....            | 68,532       | 15,019            | .....   | 9,961   | 13,945  | 599                  |
| 1875.   | 190,638,625   | 2,520,888  | 1,823,884       | 150,670   | 310,279   | 18,084    | 59,627  | 6,227    | 131,417 | .....            | 8,141        | 2,876             | .....   | 7,123   | 2,610   | .....                |
| 1874.   | 211,223,550   | 2,717,205  | 1,807,144       | 229,227   | 364,731   | 24,597    | 108,718 | 17,107   | 108,181 | .....            | 38,009       | 18,041            | .....   | 8,022   | 4,579   | 849                  |
| 1873.   | 227,213,069   | 2,400,127  | 1,717,299       | 190,655   | 226,740   | 30,568    | 55,444  | 24,253   | 99,147  | 2,758            | 38,172       | 10,916            | .....   | 2,988   | 1,101   | 56                   |
| 1872.   | 180,684,595   | 1,867,075  | 1,407,830       | 85,033    | 176,374   | 11,845    | 65,142  | 20,197   | 49,307  | .....            | 45,570       | 1,211             | .....   | 3,792   | 1,914   | 10                   |
| 1871.   | 218,327,109   | 2,925,856  | 2,204,645       | 207,972   | 119,223   | 42,915    | 94,812  | 35,867   | 62,271  | 4,330            | 111,405      | 14,220            | .....   | 4,786   | 22,619  | 1,201                |
| 1870.   | 227,027,624   | 1,917,117  | 1,298,332       | 173,552   | 306,293   | 14,549    | 55,409  | 3,452    | 30,341  | .....            | 17,050       | 1,621             | .....   | 3,122   | 13,219  | 177                  |
| 1869.   | 102,033,052   | 1,235,666  | 873,087         | 140,855   | 201,116   | 8,956     | 32,817  | 374      | 10,525  | .....            | 5,431        | 536               | .....   | 2,244   | 4,034   | 231                  |
| 1868.   | 152,820,733   | 1,569,527  | 1,129,030       | 152,643   | 186,466   | 12,066    | 51,241  | 1,608    | 11,748  | 331              | 5,045        | 675               | .....   | 2,091   | 16,457  | 126                  |
| 1867.   | 201,470,423   | 1,322,947  | 1,048,631       | 56,396    | 167,853   | 7,223     | 22,068  | 1,775    | 10,179  | .....            | 5,14         | 214               | .....   | 1,288   | 6,622   | 169                  |
| 1866.   | 281,355,223   | 1,301,146  | 1,024,728       | 32,276    | 216,470   | 397       | 17,631  | 653      | 5,372   | .....            | 283          | 1,107             | .....   | 1,643   | 101     | 485                  |
| 1865.   | 6,838,500     | 13,214     | 12,0            |           |           |           |         |          |         |                  |              |                   |         |         |         |                      |

The marked variations from year to year in the quantities of cotton exported to Japan may be attributed in part to irregularity in the supply of Indian cotton, upon which the Japanese mills chiefly rely for their raw material. The exports to "All other countries" include cotton to India and to China, in which countries American cotton is used to some extent for mixing with the short-fiber native cotton and in the

manufacture of goods requiring a long-staple cotton.

*Exports of domestic cotton, by months.*—In Table 40 the exports of domestic cotton and linters are presented by months and by the more important countries of destination from September, 1912, to July, 1915, inclusive. The total quantity of linters included in each month's exports, since September, 1913, is also shown.

TABLE 40.—EXPORTS OF DOMESTIC COTTON AND LINTERS, BY COUNTRIES TO WHICH EXPORTED, BY MONTHS: SEPTEMBER, 1912, TO JULY, 1915, INCLUSIVE.

| MONTH.         | Year. | EXPORTS OF DOMESTIC COTTON AND LINTERS (RUNNING BALES) TO— |                 |          |         |         |                      | Linters included in exports. |
|----------------|-------|--|-----------------|----------|---------|---------|----------------------|------------------------------|
|                |       | Total.   | United Kingdom. | Germany. | France. | Italy.  | All other countries. |                              |
| September..... | 1914  | 125,778  | 50,980          |          |         | 16,678  | 58,120               | 1,808                        |
|                | 1913  | 930,328  | 376,426         | 290,805  | 131,950 | 45,290  | 85,857               | 3,982                        |
|                | 1912  | 729,859  | 345,290         | 163,449  | 103,060 | 36,901  | 81,159               | (1)                          |
| October.....   | 1914  | 497,132  | 232,065         |          | 22,302  | 48,147  | 194,618              | 4,104                        |
|                | 1913  | 1,517,891  | 514,105         | 465,525  | 270,469 | 54,292  | 204,510              | 9,457                        |
|                | 1912  | 1,515,746  | 638,780         | 430,744  | 229,515 | 63,606  | 143,101              | (1)                          |
| November.....  | 1914  | 760,929  | 333,700         | 1,000    | 42,290  | 117,398 | 266,541              | 7,267                        |
|                | 1913  | 1,501,259  | 530,355         | 510,853  | 183,494 | 67,994  | 202,563              | 27,005                       |
|                | 1912  | 1,734,687  | 764,923         | 464,058  | 263,582 | 51,756  | 190,363              | (1)                          |
| December.....  | 1914  | 1,202,115  | 572,396         | 47,076   | 75,030  | 200,028 | 307,585              | 30,431                       |
|                | 1913  | 1,230,830  | 473,023         | 326,958  | 146,074 | 80,621  | 204,169              | 21,249                       |
|                | 1912  | 1,391,394  | 610,386         | 384,345  | 165,573 | 57,056  | 174,034              | (1)                          |
| January.....   | 1915  | 1,372,183  | 535,534         | 99,913   | 70,901  | 217,982 | 397,853              | 24,012                       |
|                | 1914  | 1,052,272  | 437,231         | 304,116  | 78,574  | 51,824  | 173,527              | 24,697                       |
|                | 1913  | 900,931  | 355,837         | 240,087  | 97,818  | 49,871  | 157,318              | (1)                          |
| February.....  | 1915  | 1,501,701  | 633,574         | 83,508   | 135,833 | 157,123 | 486,663              | 32,242                       |
|                | 1914  | 751,013  | 323,794         | 212,599  | 74,785  | 36,473  | 98,362               | 30,325                       |
|                | 1913  | 530,911  | 166,726         | 159,817  | 26,991  | 47,450  | 129,927              | (1)                          |
| March.....     | 1915  | 1,208,573  | 440,490         | 6,112    | 140,311 | 140,584 | 475,076              | 60,175                       |
|                | 1914  | 695,310  | 264,999         | 219,948  | 70,447  | 43,130  | 96,786               | 30,619                       |
|                | 1913  | 372,073  | 97,185          | 123,019  | 14,561  | 44,847  | 87,461               | (1)                          |
| April.....     | 1915  | 672,035  | 378,828         |          | 64,650  | 55,956  | 172,601              | 17,609                       |
|                | 1914  | 395,223  | 147,298         | 118,193  | 25,019  | 32,563  | 75,140               | 32,196                       |
|                | 1913  | 534,596  | 203,963         | 133,024  | 19,899  | 38,338  | 134,372              | (1)                          |
| May.....       | 1915  | 615,290  | 359,675         |          | 60,158  | 57,027  | 138,430              | 18,708                       |
|                | 1914  | 394,714  | 140,618         | 132,123  | 29,837  | 33,323  | 58,813               | 20,047                       |
|                | 1913  | 468,966  | 164,871         | 126,574  | 23,643  | 41,440  | 112,438              | (1)                          |
| June.....      | 1915  | 323,140  | 119,090         |          | 43,941  | 39,103  | 122,006              | 13,065                       |
|                | 1914  | 295,578  | 121,726         | 80,630   | 11,423  | 30,349  | 51,441               | 23,795                       |
|                | 1913  | 223,921  | 88,906          | 60,804   | 7,935   | 27,077  | 39,199               | (1)                          |
| July.....      | 1915  | 244,477  | 53,944          |          | 27,209  | 52,969  | 105,355              | 11,569                       |
|                | 1914  | 126,211  | 43,777          | 41,201   | 2,522   | 22,758  | 15,863               | 8,644                        |
|                | 1913  | 140,710  | 39,898          | 40,548   | 7,132   | 24,589  | 28,543               | (1)                          |
| August.....    | 1914  | 21,210   | 6,370           | 52       | 5       | 1,546   | 13,237               | 885                          |
|                | 1913  | 257,172  | 77,488          | 72,923   | 52,933  | 13,568  | 40,255               | (1)                          |

<sup>1</sup> Not available.

*Exports of sea-island cotton.*—Statistics of exports of sea-island cotton, by countries to which exported, are

given in the following table for the years 1906 to 1915 and for selected years since 1885:

TABLE 41.—EXPORTS OF SEA-ISLAND COTTON, BY COUNTRIES TO WHICH EXPORTED, FOR SPECIFIED YEARS: 1885 TO 1915.

[The statistics for 1915 relate to the 12 months ending July 31, and those for prior years to the 12 months ending Aug. 31.]

| YEAR.     | EXPORTS OF SEA-ISLAND COTTON (EQUIVALENT 500-POUND BALES) TO— |                 |         |          |                      | YEAR.     | EXPORTS OF SEA-ISLAND COTTON (EQUIVALENT 500-POUND BALES) TO— |                 |         |          |                      |
|-----------|---|-----------------|---------|----------|----------------------|-----------|---|-----------------|---------|----------|----------------------|
|           | Total.  | United Kingdom. | France. | Germany. | All other countries. |           | Total.  | United Kingdom. | France. | Germany. | All other countries. |
| 1915..... | 5,824   | 1,847           |         | 516      | 3,461                | 1908..... | 25,587  | 17,874          |         | 412      | 188                  |
| 1914..... | 13,917  | 8,840           | 3,248   | 297      | 1,532                | 1907..... | 15,252  | 11,056          | 3,925   | 185      | 86                   |
| 1913..... | 10,003  | 6,368           | 3,211   | 259      | 165                  | 1906..... | 31,624  | 23,870          | 6,787   | 838      | 129                  |
| 1912..... | 20,192  | 14,821          | 4,905   | 178      | 288                  | 1905..... | 36,240  | 30,131          | 5,193   | 796      | 120                  |
| 1911..... | 17,797  | 12,818          | 4,077   | 482      | 420                  | 1895..... | 30,455  | 26,350          | 3,878   | 36       | 191                  |
| 1910..... | 22,748  | 18,154          | 4,074   | 520      |                      | 1890..... | 18,568  | 16,853          | 1,420   | 169      | 126                  |
| 1909..... | 19,654  | 13,589          | 5,070   | 426      | 569                  | 1885..... | 13,708  | 11,950          | 1,560   | 13       | 185                  |

## EXPORTS AND IMPORTS OF COTTON MANUFACTURES.

Closely related to the consumption of cotton in the domestic manufacture of cotton goods is the foreign trade in these fabrics. For this reason it is believed that statistics of this trade will lend interest to this report. Accordingly, the following tables, compiled by the Bureau of Foreign and Domestic Commerce of this department, showing the exports and imports for the last fiscal year, are presented. Table 42 gives the statistics of exports by classes of goods and by countries to which exported; Table 43 gives the imports

of cotton manufactures by classes of goods and by countries from which imported; and Table 44 gives comparative figures showing the total value of imports and exports for the different countries. The exports show a gain of about \$20,000,000, practically all of this being credited to the United Kingdom. Nearly all of this increase—exports of goods to the United Kingdom—is accounted for by clothing and other wearing apparel. The imports show a falling off of more than \$20,000,000, the largest reductions being for France, Germany, United Kingdom, and Switzerland, in the order in which named.

TABLE 42.—EXPORTS OF DOMESTIC MANUFACTURES OF COTTON, BY COUNTRIES TO WHICH EXPORTED, FOR THE YEAR ENDING JUNE 30, 1915.

[Compiled by the Bureau of Foreign and Domestic Commerce, Department of Commerce.]

| EXPORTS OF DOMESTIC MANUFACTURES OF COTTON.  |              |             |              |            |             |             |              |                                     |                    |               |             |               |   |
|--|--------------|-------------|--------------|------------|-------------|-------------|--------------|-------------------------------------|--------------------|---------------|-------------|---------------|---|
| COUNTRY.                                     | Total value. | Cloths.     |              |            |             |             |              | Clothing and other wearing apparel. |                    | Cotton waste. |             | Yarn (value). | All other manufactures of cotton (value). |
|  |              | Unbleached. |              | Bleached.  |             | Colored.    |              | Knit goods (value).                 | All other (value). | Pounds.       | Value.      |               |   |
|  |              | Yards.      | Value.       | Yards.     | Value.      | Yards.      | Value.       |                                     |                    |               |             |               |   |
| Total.....                                   | \$71,685,259 | 157,741,806 | \$12,292,261 | 53,138,547 | \$3,854,039 | 186,063,842 | \$12,536,215 | \$13,080,445                        | \$16,469,645       | 47,599,365    | \$2,934,654 | \$1,866,476   | \$8,651,524                               |
| EUROPE:                                      |              |             |              |            |             |             |              |                                     |                    |               |             |               |   |
| United Kingdom.....                          | 23,694,368   | 12,439,353  | 2,659,237    | 567,339    | 63,897      | 1,665,033   | 256,148      | 9,139,357                           | 8,160,153          | 28,405,873    | 1,664,292   | 32,860        | 1,718,424                                 |
| Germany.....                                 | 117,311      | 2,056       | 294          | .....      | .....       | 9,064       | 976          | 1,109                               | 8,494              | 1,254,112     | 84,862      | 283           | 21,203                                    |
| Turkey (including Asiatic Turkey).....       | 42,999       | 634,092     | 39,587       | .....      | .....       | 2,841       | 302          | 236                                 | 550                | .....         | .....       | .....         | 2,324                                     |
| Belgium.....                                 | 168,893      | 2,506       | 247          | .....      | .....       | 58,465      | 15,201       | 14,638                              | 120,445            | 406,876       | 13,077      | .....         | 3,285                                     |
| Italy.....                                   | 541,443      | 10,000      | 624          | 58,636     | 7,159       | 2,347       | 585          | 3,886                               | 8,706              | 6,018,509     | 426,500     | 12,822        | 81,170                                    |
| Netherlands.....                             | 198,361      | 27,719      | 6,966        | 4,995      | 543         | 1,534       | 105          | 104,950                             | 39,803             | 743,807       | 26,145      | 17,645        | 2,174                                     |
| France.....                                  | 4,153,822    | 6,005,865   | 716,078      | 93,827     | 13,806      | 1,815,802   | 293,458      | 1,179,364                           | 1,130,161          | 252,951       | 25,253      | 141,281       | 654,361                                   |
| Russia (including Asiatic Russia).....       | 16,608       | 6,413       | 861          | .....      | .....       | 8,104       | 1,059        | 2,079                               | 3,473              | 2,000         | 144         | .....         | 8,992                                     |
| Spain.....                                   | 40,385       | 20,300      | 2,730        | .....      | .....       | 1,223       | 114          | 1,923                               | 2,810              | 115,821       | 10,095      | .....         | 22,713                                    |
| All other Europe.....                        | 1,127,312    | 3,625,198   | 347,427      | 188,369    | 18,354      | 274,930     | 26,891       | 70,358                              | 51,136             | 1,245,167     | 116,609     | 77,208        | 419,329                                   |
| NORTH AMERICA:                               |              |             |              |            |             |             |              |                                     |                    |               |             |               |   |
| Canada.....                                  | 9,771,888    | 5,129,989   | 397,941      | 2,949,107  | 288,454     | 17,381,610  | 1,642,797    | 628,406                             | 2,883,580          | 5,981,992     | 360,181     | 493,787       | 3,076,732                                 |
| Mexico.....                                  | 2,260,834    | 379,093     | 52,153       | 1,300,452  | 127,438     | 4,654,956   | 342,153      | 47,940                              | 1,106,934          | 356,372       | 27,141      | 1,803         | 555,212                                   |
| Panama.....                                  | 913,891      | 1,151,244   | 71,102       | 611,856    | 49,044      | 4,116,264   | 221,179      | 115,226                             | 334,597            | 249,755       | 13,122      | 4,025         | 105,096                                   |
| San Salvador.....                            | 446,124      | 5,663,118   | 297,122      | 608,049    | 43,273      | 1,523,802   | 90,102       | 772                                 | 1,617              | 4,569         | 383         | 5,017         | 6,888                                     |
| Honduras.....                                | 656,880      | 2,236,994   | 116,160      | 868,322    | 61,274      | 4,103,701   | 246,891      | 34,280                              | 116,044            | 37,223        | 2,199       | 4,601         | 75,431                                    |
| Guatemala.....                               | 293,490      | 1,287,393   | 68,297       | 623,844    | 49,721      | 2,127,410   | 123,316      | 8,357                               | 24,749             | 20,959        | 1,467       | 1,888         | 15,095                                    |
| Nicaragua.....                               | 259,828      | 545,242     | 32,418       | 204,008    | 16,904      | 2,033,317   | 126,648      | 16,164                              | 35,340             | 13,355        | 830         | 3,125         | 28,119                                    |
| Costa Rica.....                              | 208,365      | 717,111     | 44,839       | 503,315    | 31,025      | 1,423,351   | 80,633       | 6,402                               | 22,869             | 20,113        | 1,269       | 3,124         | 18,204                                    |
| British Honduras.....                        | 119,111      | 131,253     | 8,673        | 143,897    | 11,941      | 405,509     | 26,237       | 7,045                               | 38,197             | 9,003         | 516         | 22            | 20,480                                    |
| Cuba.....                                    | 4,825,431    | 3,645,041   | 362,374      | 8,582,960  | 585,637     | 28,555,669  | 1,724,106    | 403,420                             | 736,840            | 832,157       | 54,922      | 8,667         | 449,465                                   |
| Haiti.....                                   | 770,452      | 1,178,379   | 68,932       | 915,011    | 55,438      | 8,533,649   | 630,775      | 2,590                               | 2,040              | 6,215         | 394         | 92            | 7,191                                     |
| Santo Domingo.....                           | 1,083,008    | 2,203,382   | 129,157      | 1,730,460  | 109,177     | 10,680,226  | 723,995      | 45,943                              | 32,358             | 27,687        | 1,809       | 47            | 40,522                                    |
| British West Indies.....                     | 1,170,898    | 4,314,990   | 261,593      | 1,701,183  | 97,286      | 9,655,015   | 533,666      | 49,725                              | 155,831            | 49,097        | 3,247       | 706           | 68,844                                    |
| Dutch West Indies.....                       | 86,948       | 171,092     | 12,408       | 77,236     | 4,723       | 720,461     | 42,352       | 3,510                               | 15,152             | 5,843         | 462         | .....         | 8,341                                     |
| Danish West Indies.....                      | 20,640       | 17,585      | 2,188        | 10,837     | 743         | 107,913     | 7,647        | 2,931                               | 3,791              | 7,870         | 631         | 389           | 2,320                                     |
| French West Indies (including Miquelon)..... | 27,513       | 21,159      | 2,289        | 53,753     | 2,842       | 231,788     | 12,772       | 3,215                               | 1,364              | 5,659         | 397         | 155           | 4,479                                     |
| Bermuda.....                                 | 62,157       | 9,141       | 1,498        | 36,313     | 3,026       | 64,438      | 4,965        | 16,640                              | 23,033             | 1,248         | 126         | 166           | 12,703                                    |
| SOUTH AMERICA:                               |              |             |              |            |             |             |              |                                     |                    |               |             |               |   |
| Chile.....                                   | 639,031      | 6,506,783   | 433,317      | 191,844    | 16,363      | 81,630      | 5,740        | 6,638                               | 40,385             | 747,568       | 38,900      | 73,681        | 24,007                                    |
| Colombia.....                                | 846,793      | 3,459,316   | 183,974      | 2,404,732  | 113,717     | 8,692,577   | 413,445      | 11,389                              | 43,716             | 39,118        | 2,379       | 29,376        | 48,797                                    |
| Brazil.....                                  | 182,715      | 150,149     | 21,136       | 56,309     | 5,244       | 216,792     | 16,519       | 15,103                              | 27,591             | 37,665        | 2,475       | 24,800        | 69,847                                    |
| Argentina.....                               | 1,064,265    | 1,592,272   | 178,170      | 182,505    | 11,612      | 139,774     | 14,344       | 109,572                             | 63,160             | 105,008       | 7,206       | 475,528       | 144,604                                   |
| Venezuela.....                               | 413,203      | 2,818,768   | 210,288      | 354,968    | 25,567      | 2,002,005   | 128,085      | 1,269                               | 8,765              | 55,672        | 4,040       | 6,015         | 23,174                                    |
| Guiana.....                                  | 124,465      | 155,305     | 13,085       | 18,127     | 2,183       | 1,623,464   | 93,878       | 5,420                               | 6,222              | 2,951         | 160         | 60            | 3,537                                     |
| Uruguay.....                                 | 126,634      | 146,933     | 16,181       | 10,457     | 1,457       | 30,719      | 2,641        | 25,609                              | 19,961             | 29,207        | 2,367       | 14,444        | 43,394                                    |
| Peru.....                                    | 128,301      | 319,949     | 23,870       | 125,975    | 9,881       | 377,034     | 31,331       | 14,909                              | 28,144             | 25,959        | 1,571       | 1,944         | 16,651                                    |
| Ecuador.....                                 | 146,854      | 279,188     | 19,687       | 147,717    | 11,450      | 1,090,414   | 66,185       | 7,186                               | 28,217             | 26,044        | 1,800       | 546           | 11,773                                    |
| Bolivia.....                                 | 146,597      | 1,034,264   | 103,331      | 110,806    | 6,029       | 541,867     | 28,819       | 2,082                               | 3,819              | 8,500         | 476         | .....         | 2,041                                     |
| Paraguay.....                                | 1,351        | 8,201       | 861          | .....      | .....       | .....       | .....        | 379                                 | .....              | .....         | .....       | .....         | 111                                       |
| ASIA AND OCEANIA:                            |              |             |              |            |             |             |              |                                     |                    |               |             |               |   |
| China.....                                   | 1,261,601    | 16,452,426  | 1,122,257    | 101,247    | 11,401      | 499,922     | 61,832       | 11,464                              | 18,522             | 1,540         | 103         | 2,123         | 33,899                                    |
| Aden.....                                    | 1,478,922    | 29,382,077  | 1,467,770    | 150,632    | 9,452       | .....       | .....        | .....                               | .....              | .....         | .....       | .....         | 1,700                                     |
| British India.....                           | 1,082,999    | 13,206,665  | 909,173      | 143,949    | 9,352       | 1,141,745   | 62,581       | 8,362                               | 15,544             | .....         | .....       | .....         | 27,957                                    |
| Japan.....                                   | 87,358       | 39,847      | 14,679       | 196,868    | 26,571      | 18,337      | 1,936        | 1,872                               | 6,325              | .....         | .....       | .....         | 35,975                                    |
| Hongkong.....                                | 221,126      | 82,336      | 18,070       | 274        | 20          | 101,473     | 12,081       | 21,579                              | 7,213              | .....         | .....       | 151,612       | 10,551                                    |
| British Australasia.....                     | 2,333,682    | 2,081,523   | 219,221      | 886,938    | 178,031     | 4,621,052   | 510,878      | 670,456                             | 548,575            | 14,160        | 1,002       | 11,599        | 193,920                                   |
| Philippine Islands.....                      | 7,863,489    | 16,663,402  | 1,014,480    | 25,962,466 | 1,759,939   | 64,134,253  | 3,802,171    | 111,483                             | 384,329            | 233,307       | 22,206      | 261,408       | 455,473                                   |
| All other Asia and Oceania.....              | 145,615      | 570,073     | 51,063       | 45,304     | 5,836       | 412,304     | 29,547       | 8,393                               | 23,534             | 6,160         | 556         | .....         | 24,650                                    |
| AFRICA:                                      |              |             |              |            |             |             |              |                                     |                    |               |             |               |   |
| British East Africa.....                     | 249,924      | 5,123,650   | 245,559      | 89,400     | 4,015       | 2,586       | 281          | 35                                  | 29                 | .....         | .....       | .....         | 5   |
| British South Africa.....                    | 293,440      | 242,125     | 44,132       | 24,837     | 3,217       | 138,249     | 15,452       | 70,906                              | 117,362            | 138,257       | 9,825       | 4,587         | 27,959                                    |
| All other Africa.....                        | 317,284      | 5,146,852   | 277,853      | 13,149     | 946         | 39,223      | 3,866        | 5,753                               | 16,215             | 54,016        | 3,455       | .....         | 9,665                                     |

TABLE 43.—IMPORTS OF COTTON MANUFACTURES, BY COUNTRIES FROM WHICH IMPORTED, FOR THE YEAR ENDING JUNE 30, 1915.

[Compiled by the Bureau of Foreign and Domestic Commerce, Department of Commerce.]

| COUNTRY.                               | IMPORTS OF COTTON MANUFACTURES. |                  |             |                  |             |                  |           |  |                                   |   |                                |  |
|--|---------------------------------|------------------|-------------|------------------|-------------|------------------|-----------|--|-----------------------------------|---|--------------------------------|--|
|  | Total<br>value.                 | Cloths.          |             |                  |             |                  |           | Clothing, ready<br>made, and other<br>wearing apparel. |                                   | Laces,<br>edgings,<br>embroid-<br>eries, etc.<br>(value). | Thread<br>and yarn<br>(value). | All other manu-<br>factures<br>of cotton<br>(value). |
|  |                                 | Colored.         |             | Bleached.        |             | Unbleached.      |           |  |                                   |   |                                |  |
|  |                                 | Square<br>yards. | Value.      | Square<br>yards. | Value.      | Square<br>yards. | Value.    | Knit<br>goods<br>(value).                              | All other<br>clothing<br>(value). |   |                                |  |
| Total.....                             | \$46,205,123                    | 27,593,475       | \$4,557,764 | 15,568,783       | \$2,334,798 | 3,637,161        | \$393,759 | \$4,149,427  | \$1,172,694                       | \$20,800,266  | \$3,327,010                    | \$9,469,405  |
| EUROPE:                                |                                 |                  |             |                  |             |                  |           |  |                                   |   |                                |  |
| United Kingdom.....                    | 20,220,239                      | 23,157,150       | 3,813,228   | 10,380,221       | 1,424,418   | 3,065,392        | 327,288   | 105,158  | 129,144                           | 6,103,037   | 3,012,916                      | 5,305,050  |
| Germany.....                           | 10,140,775                      | 643,357          | 133,943     | 177,030          | 40,867      | 46,736           | 8,920     | 3,788,087  | 82,579                            | 3,317,037   | 173,682                        | 2,595,680  |
| France.....                            | 5,929,776                       | 862,713          | 212,323     | 1,596,402        | 336,518     | 37,013           | 6,582     | 59,052   | 668,825                           | 4,142,311   | 10,267                         | 493,958  |
| Switzerland.....                       | 7,360,128                       | 199,828          | 41,690      | 3,273,819        | 513,590     | 339,189          | 46,023    | 148,333  | 32,969                            | 6,190,329   | 123,801                        | 263,393  |
| Austria-Hungary.....                   | 195,331                         | 307,176          | 49,381      | 33,624           | 5,375       | 244              | 59        | 2,245  | 11,444                            | 48,116  | 4,571                          | 73,640   |
| Belgium.....                           | 220,702                         | 99,048           | 12,860      | 11,132           | 1,353       | -----            | -----     | -----  | 2,483                             | 159,891   | 439                            | 43,676   |
| Italy.....                             | 421,409                         | 79,468           | 11,208      | 7,056            | 1,103       | -----            | -----     | 259  | 3,639                             | 164,515   | 2                              | 240,683  |
| Spain.....                             | 115,840                         | 443,302          | 74,780      | -----            | -----       | -----            | -----     | 5,764  | 18,829                            | 6,029   | -----                          | 10,447   |
| Turkey (including Asiatic Turkey)..... | 25,353                          | -----            | -----       | -----            | -----       | -----            | -----     | -----  | 21                                | 23,812  | -----                          | 1,520  |
| All other Europe.....                  | 187,495                         | 78,450           | 9,402       | 22,538           | 3,562       | 120,242          | 2,203     | 26,807   | 6,511                             | 109,018   | 28                             | 30,464   |
| AMERICA:                               |                                 |                  |             |                  |             |                  |           |  |                                   |   |                                |  |
| Canada.....                            | 129,768                         | 9,330            | 1,134       | 1,659            | 194         | 1,375            | 448       | 81   | 8,977                             | 4,759   | 948                            | 113,227  |
| Mexico.....                            | 35,088                          | 68,385           | 5,827       | 20,943           | 1,421       | 8,465            | 258       | 12,678   | 720                               | 1,501   | -----                          | 12,676   |
| All other America.....                 | 13,227                          | 55               | 8           | 57               | 5           | -----            | -----     | 158  | 947                               | 9,370   | -----                          | 2,739  |
| Japan.....                             | 1,156,104                       | 1,641,236        | 191,563     | 43,315           | 5,700       | -----            | -----     | 1,296  | 194,257                           | 496,278   | 416                            | 266,594  |
| China.....                             | 28,767                          | 2,666            | 264         | -----            | -----       | 18,065           | 1,954     | -----  | 4,404                             | 12,537  | -----                          | 9,288  |
| British India.....                     | 6,370                           | 10               | 2           | 519              | 60          | 370              | 25        | -----  | 102                               | 3,730   | -----                          | 2,451  |
| All other countries.....               | 18,751                          | 1,301            | 151         | 473              | 132         | 10               | 1         | 9  | 6,834                             | 7,685   | -----                          | 3,939  |

TABLE 44.—VALUE OF EXPORTS AND IMPORTS OF COTTON MANUFACTURES, BY COUNTRIES TO WHICH EXPORTED OR FROM WHICH IMPORTED, FOR THE YEAR ENDING JUNE 30: 1900 AND 1905 TO 1915.

[Compiled by the Bureau of Foreign and Domestic Commerce, Department of Commerce.]

| COUNTRY.                                     | 1915         | 1914         | 1913         | 1912         | 1911         | 1910         | 1909         | 1908         | 1907         | 1906         | 1905         | 1900         |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| EXPORTS.                                     |              |              |              |              |              |              |              |              |              |              |              |              |
| Total.....                                   | \$71,685,259 | \$51,467,233 | \$53,743,977 | \$50,769,511 | \$40,851,918 | \$33,398,672 | \$31,878,566 | \$25,177,758 | \$32,805,412 | \$52,944,033 | \$49,666,080 | \$24,003,087 |
| EUROPE:                                      |              |              |              |              |              |              |              |              |              |              |              |              |
| United Kingdom.....                          | 23,094,308   | 4,300,288    | 4,782,758    | 3,940,923    | 3,511,690    | 2,857,025    | 2,092,212    | 2,487,349    | 2,274,014    | 2,042,877    | 1,446,409    | 1,256,729    |
| Germany.....                                 | 117,311      | 1,654,368    | 1,504,519    | 933,429      | 927,166      | 896,351      | 1,035,235    | 1,140,332    | 1,185,402    | 971,647      | 601,541      | 385,680      |
| All other Europe.....                        | 6,287,823    | 2,237,685    | 1,889,399    | 1,594,826    | 1,055,002    | 779,590      | 788,392      | 972,741      | 865,549      | 654,353      | 383,692      | 270,228      |
| AMERICA:                                     |              |              |              |              |              |              |              |              |              |              |              |              |
| Canada.....                                  | 9,771,888    | 9,559,177    | 10,536,412   | 8,590,398    | 6,474,722    | 5,242,511    | 3,712,406    | 3,278,519    | 3,507,446    | 3,587,567    | 3,030,341    | 2,691,992    |
| Mexico.....                                  | 2,260,884    | 1,200,704    | 1,064,892    | 988,283      | 797,617      | 772,127      | 640,488      | 809,244      | 834,910      | 821,802      | 880,074      | 958,889      |
| Central America.....                         | 1,932,498    | 3,530,803    | 3,434,742    | 3,945,437    | 3,417,774    | 2,511,625    | 2,456,345    | 2,303,424    | 2,636,591    | 2,260,618    | 2,032,298    | 1,176,142    |
| British West Indies (including Bermuda)..... | 1,233,055    | 1,342,519    | 1,022,049    | 1,329,075    | 967,547      | 819,124      | 850,876      | 687,311      | 836,047      | 713,885      | 659,382      | 435,049      |
| Cuba.....                                    | 4,325,431    | 2,832,602    | 2,903,895    | 3,090,202    | 2,235,350    | 1,644,498    | 1,006,064    | 1,585,876    | 1,008,633    | 1,507,473    | 1,330,260    | 612,252      |
| Haiti.....                                   | 770,452      | 1,706,208    | 1,465,690    | 1,756,755    | 1,510,425    | 1,220,290    | 1,258,197    | 742,073      | 617,669      | 822,815      | 524,800      | 745,633      |
| All other North America.....                 | 2,131,500    | 919,824      | 1,138,534    | 1,112,072    | 999,011      | 702,847      | 579,181      | 577,516      | 828,737      | 452,468      | 650,342      | 560,290      |
| Brazil.....                                  | 182,715      | 229,262      | 386,368      | 308,712      | 413,184      | 388,760      | 265,177      | 373,545      | 548,367      | 636,374      | 764,468      | 430,118      |
| Chile.....                                   | 639,031      | 889,544      | 808,674      | 805,125      | 1,001,591    | 666,133      | 400,016      | 634,587      | 874,813      | 693,021      | 896,143      | 310,360      |
| Colombia.....                                | 849,433      | 1,453,374    | 1,102,092    | 980,984      | 982,880      | 823,216      | 624,587      | 624,587      | 155,792      | 112,797      | 157,202      | 118,332      |
| Peru.....                                    | 128,301      | 216,169      | 198,331      | 227,607      | 170,323      | 158,476      | 104,700      | 132,409      | 439,160      | 420,645      | 438,094      | 333,294      |
| Venezuela.....                               | 413,203      | 413,096      | 370,314      | 498,079      | 449,254      | 289,797      | 340,443      | 310,837      | 343,830      | 902,684      | 1,105,447    | 355,556      |
| All other South America.....                 | 1,009,610    | 1,201,848    | 1,281,848    | 1,142,989    | 1,011,398    | 963,874      | 1,005,291    | 692,939      | 943,830      |              |              |              |
| ASIA AND OCEANIA:                            |              |              |              |              |              |              |              |              |              |              |              |              |
| China.....                                   | 1,261,601    | 6,188,192    | 5,796,984    | 7,471,103    | 5,412,849    | 5,847,892    | 8,067,472    | 3,413,248    | 5,955,331    | 29,814,073   | 23,017,190   | 8,804,778    |
| British India.....                           | 1,032,999    | 1,071,397    | 1,276,076    | 979,850      | 715,174      | 732,184      | 760,677      | 296,807      | 684,900      | 655,346      | 486,843      | 524,419      |
| British Australasia.....                     | 2,338,682    | 1,900,201    | 1,813,058    | 1,694,008    | 1,773,201    | 962,154      | 979,440      | 1,039,426    | 1,229,627    | 1,285,083    | 1,079,179    | 622,228      |
| Aden.....                                    | 1,478,922    | 1,018,506    | 1,433,959    | 2,023,394    | 1,067,382    | 464,413      | 1,312,265    | 998,736      | 1,965,713    | 1,694,134    | 1,140,875    | (1)          |
| Philippine Islands.....                      | 7,808,489    | 6,706,094    | 7,077,105    | 5,277,192    | 4,305,518    | 2,306,398    | 1,059,042    | 2,836,845    | 1,646,874    | 403,896      | 1,800,244    | (1)          |
| All other Asia and Oceania.....              | 484,999      | 677,068      | 771,210      | 613,115      | 681,955      | 690,710      | 605,024      | 711,534      | 813,339      | 862,092      | 1,761,726    | 1,838,346    |
| AFRICA.....                                  | 800,648      | 761,745      | 1,527,835    | 1,275,145    | 900,201      | 099,407      | 682,747      | 415,141      | 733,419      | 782,224      | 586,350      | *1,039,707   |
| IMPORTS.                                     |              |              |              |              |              |              |              |              |              |              |              |              |
| Total.....                                   | 46,205,123   | 69,410,904   | 63,935,983   | 63,508,574   | 64,056,473   | 66,473,143   | 62,010,286   | 68,379,781   | 73,704,636   | 63,013,322   | 48,919,936   | 41,290,239   |
| EUROPE:                                      |              |              |              |              |              |              |              |              |              |              |              |              |
| United Kingdom.....                          | 20,220,239   | 23,852,547   | 20,361,396   | 19,400,725   | 19,747,868   | 20,365,696   | 19,951,548   | 22,421,517   | 22,971,167   | 19,446,227   | 15,089,333   | 17,110,588   |
| Germany.....                                 | 10,140,775   | 17,617,868   | 16,406,123   | 15,384,519   | 15,689,422   | 16,707,993   | 14,859,770   | 18,036,650   | 18,212,531   | 16,459,615   | 14,332,703   | 8,803,297    |
| France.....                                  | 5,929,776    | 14,836,509   | 12,264,492   | 11,694,388   | 11,189,892   | 11,820,615   | 11,959,505   | 11,069,509   | 15,309,399   | 13,038,125   | 8,701,925    | 5,623,340    |
| Switzerland.....                             | 7,360,128    | 10,335,621   | 11,546,075   | 18,902,023   | 14,933,217   | 15,463,607   | 13,533,057   | 14,478,092   | 15,288,363   | 12,578,630   | 9,728,717    | 8,975,850    |
| Belgium.....                                 | 220,702      | 416,844      | 465,001      | 564,375      | 454,744      | 522,323      | 558,974      | 635,846      | 591,576      | 458,557      | 354,214      | 321,803      |
| Austria-Hungary.....                         | 195,331      | 432,880      | 600,780      | 615,410      | 604,556      | 659,844      | 490,658      | 280,236      | 293,965      | 218,974      | 113,833      | 107,128      |
| Italy.....                                   | 421,409      | 338,273      | 337,895      | 310,025      | 199,036      | 125,661      | 66,399       | 182,792      | 237,065      | 97,520       | 41,281       | 109,093      |
| Spain.....                                   | 115,840      | 99,501       | 88,779       | 104,482      | 109,488      | 57,955       | 90,227       | 84,811       | 92,262       | 80,952       | 57,400       | 2,747        |
| Turkey (including Asiatic Turkey).....       | 25,353       | 190,002      | 509,749      | 582,899      | 271,334      | 156,228      | 90,564       | 89,552       | 69,637       | 43,725       | 42,796       | 68,355       |
| All other Europe.....                        | 187,495      | 146,946      | 152,678      | 121,867      | 97,566       | 115,709      | 80,937       | 59,011       | 151,029      | 132,710      | 82,952       | 19,034       |
| AMERICA:                                     |              |              |              |              |              |              |              |              |              |              |              |              |
| Canada.....                                  | 129,768      | 30,193       | 19,802       | 19,108       | 46,788       | 21,470       | 10,877       | 20,912       | 48,496       | 19,407       | 19,429       | 6,527        |
| Mexico.....                                  | 35,088       | 25,587       | 21,932       | 56,248       | 42,716       | 29,795       | 23,414       | 28,787       | 40,720       | 39,110       | 44,154       | 33,328       |
| All other America.....                       | 13,227       | 4,706        | 10,649       | 7,801        | 15,788       | 10,441       | 4,778        | 4,347        | 4,066        | 2,074        | 2,465        | 1,460        |
| Japan.....                                   | 1,156,104    | 1,007,133    | 1,029,086    | 665,926      | 490,177      | 292,951      | 236,062      | 305,270      | 333,881      | 310,278      | 202,736      | 71,066       |
| China.....                                   | 28,767       | 45,235       | 66,174       | 30,819       | 31,641       | 16,306       | 11,130       | 29,023       | 21,853       | 14,657       | 25,618       | 25,073       |
| British India.....                           | 6,370        | 13,381       | 31,150       | 34,327       | 28,255       | 44,789       | 21,984       | 44,036       | 43,311       | 67,872       | 50,441       | 47,742       |
| All other countries.....                     | 18,751       | 18,348       | 34,132       | 21,722       | 18,485       | 61,880       | 61,492       | 9,385        | 25,525       | 31,917       | 30,179       | 8,418        |

\* Included in "Other Asia and Oceania."

\* Includes exports to Hawaii, valued at \$584,393.



PRODUCTION, CONSUMPTION, EXPORTS, AND IMPORTS  
OF COTTON.

Table 45 shows the production of cotton, average net weight of bale, average value per pound, consumption

of cotton and linters, exports of domestic cotton, and net imports of raw cotton from 1790 to 1914, thus presenting a complete record of the cotton trade for the United States.

TABLE 45.—PRODUCTION, CONSUMPTION, EXPORTS, AND NET IMPORTS OF RAW COTTON, FOR THE UNITED STATES: 1790 TO 1914.

*Production.*—The production statistics relate, when possible, to the year of growth, but when figures for the growth year are wanting, those for a commercial crop which represents the trade movement have been taken. The statistics of production for the years 1790 to 1898, inclusive, have been compiled from publications of the United States Department of Agriculture; for the years 1899 to 1914, inclusive, and for other years, when available, census figures are used.

*Price of upland cotton.*—For the years 1910 to 1914, inclusive, the price per pound shown for upland cotton represents the average price received for cotton by the growers as computed by the Department of Agriculture; for the years 1902 to 1909 it is the average price of the average grade marketed in New Orleans prior to April 1 of the following year; for the years 1890 to 1901, inclusive, it is the average price of middling cotton on the New Orleans Cotton Exchange; and for the years 1790 to 1889, inclusive, it is taken from reports of the United States Department of Agriculture.

*Consumption.*—The statistics of consumption for the years 1790 to 1894, inclusive, have been compiled from publications of the United States Department of Agriculture, and those for the years 1895 to 1903, inclusive, from the reports of Latham, Alexander & Co. Census figures are used for the years 1904 to 1914, inclusive, and for other years when available. The statistics relate to the 12 months during which the crop of the specified year was chiefly marketed, and not to the calendar year specified.

*Domestic exports and net imports.*—For the years 1790 to 1819, inclusive, the statistics have been taken from American state papers, and for the years 1820 to 1914 from the reports on Commerce and Navigation of the United States, published by the Bureau of Foreign and Domestic Commerce, Department of Commerce. For the years 1790 to 1812, inclusive, the statistics of exports relate to the 12 months beginning with October 1 of the specified year; for 1813 to 1836, inclusive, to the 12 months beginning with July 1; for 1837 to 1913, inclusive, to the 12 months beginning with September 1; and for 1914 to the 12 months beginning with August 1. The statistics of imports relate to the same period as the statistics of exports.

| COTTON PRODUCTION. |  |   |                                    |   |   | COTTON PRODUCTION.                                       |   |          |  |   |                                    | Consumption of cotton and linters (equivalent 500-pound bales). |   | Exports of domestic cotton (equivalent 500-pound bales). |   | Net imports (equivalent 500-pound bales). |  |
|--------------------|--|---|------------------------------------|---|---|--|---|----------|--|---|------------------------------------|---|---|--|---|---|--|
| YEAR.              | Running bales, counting round as half bales. | Equivalent 500-pound bales, gross weight. | Average net weight of bale (lbs.). | Average price per pound, upland cotton (cents). | Consumption of cotton and linters (equivalent 500-pound bales). | Exports of domestic cotton (equivalent 500-pound bales). | Net imports (equivalent 500-pound bales). | YEAR.    | Running bales, counting round as half bales. | Equivalent 500-pound bales, gross weight. | Average net weight of bale (lbs.). | Average price per pound, upland cotton (cents).                 | Consumption of cotton and linters (equivalent 500-pound bales). | Exports of domestic cotton (equivalent 500-pound bales). | Net imports (equivalent 500-pound bales). |   |  |
| 1914....           | 15,905,840                                   | 16,134,930                                | 485                                | 7.3   | 5,835,592   | 8,931,253  | 363,505                                   | 1851.... | 3,126,310                                    | 2,709,200                                 | 428                                | 9.5   | 617,468   | 2,186,461  | 512                                       |   |  |
| 1913....           | 13,982,811                                   | 14,156,486                                | 484                                | 12.5  | 5,702,639   | 9,256,028  | 353,643                                   | 1850.... | 2,454,442                                    | 2,136,083                                 | 416                                | 12.1  | 422,626   | 1,854,474  | 339                                       |   |  |
| 1912....           | 13,488,539                                   | 13,703,421                                | 486                                | 11.5  | 5,630,835   | 9,199,068  | 328,460                                   | 1849.... | 2,460,003                                    | 1,975,274                                 | 420                                | 12.3  | 575,506   | 1,270,763  | 485                                       |   |  |
| 1911....           | 15,553,073                                   | 15,602,701                                | 483                                | 9.6   | 5,181,826   | 10,681,332   | 229,268                                   | 1848.... | 2,866,938                                    | 2,615,031                                 | 436                                | 7.5   | 586,032   | 2,053,204  | 22  |   |  |
| 1910....           | 11,568,334                                   | 11,608,616                                | 480                                | 14.0  | 4,516,779   | 8,025,991  | 231,191                                   | 1847.... | 2,430,786                                    | 2,128,433                                 | 417                                | 8.0   | 537,427   | 1,628,544  | 558                                       |   |  |
| 1909....           | 10,072,731                                   | 10,004,949                                | 475                                | 14.3  | 4,559,002   | 6,491,843  | 151,395                                   | 1846.... | 1,778,651                                    | 1,603,763                                 | 431                                | 11.2  | 385,016   | 1,054,440  | 122                                       |   |  |
| 1908....           | 13,085,005                                   | 13,241,799                                | 484                                | 9.2   | 5,198,063   | 8,839,724  | 165,451                                   | 1845.... | 2,100,537                                    | 1,806,110                                 | 411                                | 7.9   | 363,365   | 1,005,116  | 386                                       |   |  |
| 1907....           | 11,057,822                                   | 11,107,179                                | 480                                | 11.5  | 4,493,023   | 7,779,508  | 140,860                                   | 1844.... | 2,394,503                                    | 2,078,910                                 | 415                                | 5.6   | 337,730   | 1,745,812  | 2 680                                     |   |  |
| 1906....           | 12,083,201                                   | 13,273,809                                | 489                                | 10.0  | 4,974,109   | 8,825,236  | 202,733                                   | 1843.... | 2,030,409                                    | 1,750,060                                 | 412                                | 7.7   | 298,872   | 1,327,267  | 517                                       |   |  |
| 1905....           | 10,495,105                                   | 10,575,017                                | 482                                | 10.9  | 4,877,465   | 6,975,494  | 133,404                                   | 1842.... | 2,378,876                                    | 2,035,481                                 | 409                                | 7.2   | 278,196   | 1,584,594  | 1,835                                     |   |  |
| 1904....           | 13,451,337                                   | 13,433,012                                | 478                                | 8.7   | 4,523,208   | 9,057,397  | 130,182                                   | 1841.... | 1,683,574                                    | 1,398,282                                 | 397                                | 7.8   | 222,461   | 1,100,434  | 107                                       |   |  |
| 1903....           | 9,819,909                                    | 9,851,129                                 | 480                                | 12.2  | 3,980,567   | 6,233,682  | 100,298                                   | 1840.... | 1,634,954                                    | 1,347,640                                 | 394                                | 9.5   | 245,045   | 1,000,408  | 1,210                                     |   |  |
| 1902....           | 10,588,250                                   | 10,630,945                                | 481                                | 8.2   | 4,187,076   | 6,915,506  | 149,113                                   | 1839.... | 2,093,915                                    | 1,653,722                                 | 383                                | 8.9   | 236,525   | 1,487,882  | 297                                       |   |  |
| 1901....           | 9,582,520                                    | 9,503,745                                 | 489                                | 8.1   | 4,080,287   | 6,870,313  | 100,080                                   | 1838.... | 1,360,532                                    | 1,092,980                                 | 384                                | 13.4  | 221,738   | 827,248  | 319                                       |   |  |
| 1900....           | 10,102,102                                   | 10,123,027                                | 480                                | 9.3   | 3,603,516   | 6,806,572  | 116,610                                   | 1837.... | 1,801,497                                    | 1,428,384                                 | 379                                | 10.1  | 195,100   | 1,191,005  | 355                                       |   |  |
| 1899....           | 9,393,242                                    | 9,345,391                                 | 476                                | 7.6   | 3,687,253   | 6,167,623  | 134,778                                   | 1836.... | 1,423,530                                    | 1,129,016                                 | 379                                | 13.2  | 176,449   | 888,423  | 2 510                                     |   |  |
| 1898....           | 11,189,205                                   | 11,435,368                                | 489                                | 4.0   | 3,072,067   | 7,020,535  | 103,223                                   | 1835.... | 1,360,725                                    | 1,061,821                                 | 373                                | 10.5  | 184,731   | 847,203  | 427                                       |   |  |
| 1897....           | 10,897,857                                   | 10,985,040                                | 482                                | 5.6   | 3,472,398   | 7,811,031  | 105,502                                   | 1834.... | 1,253,496                                    | 962,343                                   | 367                                | 17.4  | 166,523   | 774,718  | 1,574                                     |   |  |
| 1896....           | 8,532,705                                    | 8,515,640                                 | 477                                | 7.3   | 2,841,394   | 6,124,025  | 114,712                                   | 1833.... | 1,225,895                                    | 930,962                                   | 363                                | 12.9  | 149,159   | 709,436  | 308                                       |   |  |
| 1895....           | 7,161,094                                    | 7,140,772                                 | 477                                | 8.2   | 2,499,731   | 4,701,505  | 112,001                                   | 1832.... | 1,114,286                                    | 815,900                                   | 350                                | 12.3  | 142,352   | 649,397  | 69  |   |  |
| 1894....           | 9,601,251                                    | 10,025,534                                | 484                                | 5.9   | 2,983,065   | 6,961,372  | 99,399                                    | 1831.... | 1,069,444                                    | 805,439                                   | 360                                | 9.4   | 130,895   | 644,430  | 2 22                                      |   |  |
| 1893....           | 7,493,000                                    | 7,433,056                                 | 474                                | 7.5   | 2,300,276   | 5,307,295  | 59,405                                    | 1830.... | 1,026,393                                    | 732,218                                   | 341                                | 9.7   | 120,938   | 553,960  | 22  |   |  |
| 1892....           | 6,700,305                                    | 6,658,313                                 | 475                                | 8.4   | 2,415,875   | 4,485,251  | 85,735                                    | 1829.... | 1,076,696                                    | 763,598                                   | 339                                | 10.0  | 89,723  | 596,018  | 378                                       |   |  |
| 1891....           | 9,035,370                                    | 8,940,867                                 | 473                                | 7.3   | 2,846,753   | 5,896,800  | 64,394                                    | 1828.... | 953,079                                      | 679,910                                   | 341                                | 9.9   | 84,788  | 529,674  | 2 40                                      |   |  |
| 1890....           | 8,652,597                                    | 8,502,089                                 | 473                                | 8.6   | 2,004,491   | 5,850,219  | 45,680                                    | 1827.... | 805,970                                      | 564,854                                   | 335                                | 10.3  | 84,516  | 421,181  | 507                                       |   |  |
| 1889....           | 7,472,511                                    | 7,472,511                                 | 478                                | 11.5  | 2,518,409   | 4,928,921  | 18,334                                    | 1826.... | 1,057,402                                    | 732,218                                   | 331                                | 9.3   | 103,535   | 588,620  | 7 4                                       |   |  |
| 1888....           | 6,938,290                                    | 6,923,775                                 | 477                                | 10.7  | 2,399,250   | 4,730,192  | 15,284                                    | 1825.... | 817,308                                      | 533,473                                   | 312                                | 12.2  | .....   | 400,071  | 79  |   |  |
| 1887....           | 7,046,833                                    | 6,884,687                                 | 467                                | 10.3  | 2,205,302   | 4,519,254  | 11,983                                    | 1824.... | 751,748                                      | 449,791                                   | 286                                | 18.6  | .....   | 352,900  | 26  |   |  |
| 1886....           | 6,505,087                                    | 6,314,561                                 | 464                                | 10.3  | 2,049,687   | 4,301,542  | 7,552                                     | 1823.... | 656,028                                      | 387,029                                   | 282                                | 14.7  | .....   | 286,739  | 932                                       |   |  |
| 1885....           | 6,575,931                                    | 6,360,341                                 | 463                                | 9.4   | 2,094,682   | 4,290,651  | 8,270                                     | 1822.... | 704,608                                      | 439,331                                   | 298                                | 11.4  | .....   | 347,447  | 110                                       |   |  |
| 1884....           | 5,682,000                                    | 5,477,448                                 | 460                                | 10.5  | 1,687,108   | 3,783,319  | 7,144                                     | 1821.... | 636,012                                      | 376,569                                   | 283                                | 14.3  | .....   | 289,350  | 2 190                                     |   |  |
| 1883....           | 5,713,200                                    | 5,521,963                                 | 462                                | 10.6  | 1,813,865   | 3,733,369  | 11,247                                    | 1820.... | 575,540                                      | 334,728                                   | 278                                | 14.3  | 100,000   | 249,787  | 427                                       |   |  |
| 1882....           | 6,949,756                                    | 6,833,442                                 | 470                                | 10.6  | 2,088,460   | 4,591,331  | 4,716                                     | 1819.... | 632,576                                      | 340,372                                   | 264                                | 17.0  | .....   | 255,720  | 2 4,571                                   |   |  |
| 1881....           | 5,450,443                                    | 5,136,447                                 | 450                                | 12.2  | 1,849,457   | 3,376,521  | 3,261                                     | 1818.... | 445,429                                      | 261,506                                   | 280                                | 24.0  | .....   | 175,994  | 2 4,454                                   |   |  |
| 1880....           | 6,005,750                                    | 6,366,998                                 | 460                                | 11.3  | 1,865,922   | 4,453,495  | 5,447                                     | 1817.... | 465,950                                      | 271,967                                   | 279                                | 34.0  | .....   | 184,942  | 3,060                                     |   |  |
| 1879....           | 5,755,359                                    | 5,466,387                                 | 454                                | 12.0  | 1,500,688   | 3,742,762  | 7,578                                     | 1816.... | 439,716                                      | 250,414                                   | 282                                | 26.0  | .....   | 171,209  | 2,018                                     |   |  |
| 1878....           | 5,074,155                                    | 4,745,079                                 | 447                                | 10.8  | 1,457,260   | 3,290,107  | 5,049                                     | 1815.... | 369,001                                      | 209,205                                   | 271                                | 29.0  | .....   | 163,894  | 2 44                                      |   |  |
| 1877....           | 4,773,865                                    | 4,404,224                                 | 450                                | 11.3  | 1,458,667   | 3,197,439  | 5,046                                     | 1814.... | 254,545                                      | 146,444                                   | 275                                | 21.0  | 51,778  | 165,997  | 2 260                                     |   |  |
| 1876....           | 4,474,069                                    | 4,118,390                                 | 440                                | 11.7  | 1,314,489   | 2,839,418  | 4,832                                     | 1813.... | 304,878                                      | 156,604                                   | 246                                | 15.5  | .....   | 35,458   | 101                                       |   |  |
| 1875....           | 4,632,313                                    | 4,302,818                                 | 444                                | 13.0  | 1,255,712   | 3,037,650  | 4,498                                     | 1812.... | 304,878                                      | 156,604                                   | 246                                | 12.5  | .....   | 38,220   | 3,133                                     |   |  |
| 1874....           | 3,832,901                                    | 3,528,276                                 | 440                                | 15.0  | 1,098,163   | 2,504,118  | 3,784                                     | 1811.... | 325,033                                      | 167,364                                   | 246                                | 10.5  | .....   | 57,775   | 897                                       |   |  |
| 1873....           | 4,170,388                                    | 3,873,750                                 | 444                                | 17.0  | 1,213,052   | 2,682,631  | 3,541                                     | 1810.... | 280,195                                      | 177,824                                   | 297                                | 15.5  | 35,565  | 124,116  | 431                                       |   |  |
| 1872....           | 3,930,038                                    | 3,650,932                                 | 444                                | 18.2  | 1,115,691   | 2,470,590  | 10,016                                    | 1809.... | 328,000                                      | 171,548                                   | 250                                | 16.0  | 33,473  | 186,523  | 2 540                                     |   |  |
| 1871....           | 2,974,351                                    | 2,756,564                                 | 443                                | 20.5  | 1,146,730   | 1,824,937  | 6,374                                     | 1808.... | 334,821                                      | 156,004                                   | 224                                | 16.0  | .....   | 101,681  | 2 1,001                                   |   |  |
| 1870....           | 4,352,317                                    | 4,024,527                                 | 442                                | 17.0  | 1,026,583   | 2,922,757  | 1,802                                     | 1807.... | 289,555                                      | 167,364                                   | 276                                | 19.0  | .....   | 21,261   | 6,297                                     |   |  |
| 1869....           | 3,011,996                                    | 2,409,597                                 | 440                                | 24.0  | 786,616   | 1,987,708  | 3,026                                     | 1806.... | 285,714                                      | 167,364                                   | 280                                | 21.5  | .....   | 127,889  | 1,485                                     |   |  |
| 1868....           | 2,366,467                                    | 2,104,141                                 | 444                                | 20.0  | 840,481   | 1,300,449  | 1,870                                     | 1805.... | 304,848                                      | 146,444                                   | 230                                | 22.0  | .....   | 71,815   | 961                                       |   |  |
| 1867....           | 2,510,554                                    | 2,345,610                                 | 445                                | 24.0  | 844,044   | 1,602,756  | 345                                       | 1804.... | 261,044                                      | 135,983                                   | 249                                | 23.0  | 23,013  | 76,790   | 456                                       |   |  |
| 1866....           | 2,007,254                                    | 1,948,077                                 | 444                                | 31.6  | 715,253   | 1,401,697  | 2 1,035                                   | 1803.... | 222,922                                      | 125,523                                   | 270                                | 20.0  | .....   | 70,068   | 183                                       |   |  |
| 1865....           | 2,269,316                                    | 2,063,653                                 | 441                                | 43.2  | 614,540   | 1,301,146  | 10,322                                    | 1802.... | 231,022                                      | 115,063                                   | 238                                | 19.0  | .....   | 75,424   | 2 1,153                                   |   |  |
| 1864....           | 300,000                                      | 290,372                                   | 477                                | 83.4  | 344,278   | 17,789   | 68,798                                    | 1801.... | 150,526                                      | 100,418                                   | 228                                | 19.0  | .....   | 47,768   | 2 170                                     |   |  |
| 1863....           | 450,000                                      | 449,059                                   | 477                                | 101.5   | 219,540   | 23,998   | 52,405                                    | 1800.... | 150,509                                      | 73,222                                    | 228                                | 44.0  | 18,820  | 41,822   | 8,686                                     |   |  |
| 1862....           | 1,600,000                                    | 1,596,053                                 | 477                                | 67.2  | 287,307   | 22,770   | 67,695                                    | 1799.... | 88,880                                       | 41,841                                    | 225                                | 28.0  | 10,737  | 35,580   | 8,870                                     |   |  |
| 1861....           | 4,500,000                                    | 4,400,586                                 | 477                                | 31.3  | 369,226   | 10,129   | 61,731                                    | 1798.... | 60,667                                       | 31,381                                    | 225                                | 44.0  | .....   | 19,065   | 7,532                                     |   |  |
| 1860....           | 3,849,469                                    | 3,841,416                                 | 477                                | 13.0  | 841,975   | 615,032  | .....                                     | 1797.... | 48,889                                       | 23,013                                    | 225                                | 39.0  | .....   | 18,720   | 7,761                                     |   |  |
| 1859....           | 5,387,052                                    | 4,309,042                                 | 461                                | 11.0  | 845,410   | 3,535,373  | .....                                     | 1796.... | 44,444                                       | 20,921                                    | 225                                | 34.0  | .....   | 7,577  | 7,336                                     |   |  |
| 1858....           | 4,018,914                                    | 3,758,273                                 | 447                                | 12.1  | 867,489   | 2,772,937  | .....                                     | 1795.... | 35,556                                       | 16,736                                    | 225                                | 36.5  | .....   | 12,213   | 8,737                                     |   |  |
| 1857....           | 3,257,339                                    | 3,012,016                                 | 442                                | 12.2  | 550,708   | 2,237,248  | .....                                     | 1794.... | 35,556                                       | 16,736                                    | 225                                | 36.5  | .....   | 9,414  | 8,592                                     |   |  |
| 1856....           | 3,093,737                                    | 2,873,680                                 | 444                                | 13.5  | 761,614   | 2,096,505  | 1,678                                     | 1793.... | 22,222                                       | 10,400                                    | 225                                | 33.0  | .....   | 3,565  | 5,127                                     |   |  |
| 1855....           | 3,665,557                                    | 3,220,782                                 | 420                                | 10.3  | 731,484   | 2,702,863  | 2,265                                     | 1792.... | 13,333                                       | 6,276                                     | 225                                | 32.0  | .....   | 1,097  | 5,593                                     |   |  |
| 1854....           | 2,982,934                                    | 2,708,082                                 | 434                                | 10.4  | 641,391   | 2,016,849  | 4,425                                     | 1791.... | 8,889  | 4,184                                     | 225                                | 29.0  | .....   | 277  | 1,112                                     |   |  |
| 1853....           | 3,074,670                                    | 2,706,194                                 | 430                                | 11.0  | 663,204   | 1,976,666  | 1,441                                     | 1790.... | 6,667  | 3,138                                     | 225                                | 26.0  | 11,000  | 879  | 607                                       |   |  |
| 1852....           | 3,4  |   |                                    |   |   |  |   |          |  |   |                                    |   |   |  |   |   |  |

## WORLD'S CONSUMPTION OF COTTON.

Although cotton has been used in the manufacture of textiles from the earliest times, its employment for this purpose was limited until the invention of power-driven machinery for spinning and for separating the lint from the seed. After the introduction of the cotton gin the production and the mill consumption of cotton increased very rapidly, and these interdependent industries have, during the past century, grown to be among the most important. In 1811 the world's production of cotton as estimated amounted to only 1,100,000 bales, whereas the total consumption in cotton mills for 1913-14 was in excess of 21,000,000. The rapidity of the growth of this industry in recent years may be appreciated when it is remembered that only 15 years ago the world's consumption of cotton was about 15,000,000 bales.

Formerly the manufacture of cotton was confined largely to England and to a few localities in other countries, but the industry has spread to such an extent that there are at the present time very few countries without some cotton factories. The spinning of cotton by power-driven machinery is now carried on extensively in the several European countries, in India, Japan, Brazil, Canada, and China, and to a less extent in Mexico, Turkey, Indo-China, Egypt, and a number of countries in South and Central America.

As previously stated, few countries have provided adequate systems of determining the production and consumption of cotton, notwithstanding the interest attaching to this staple. The data, therefore, must be secured from trade publications and other miscellaneous sources and by correspondence. The compiling of satisfactory statistics has been made well-nigh impossible because of the war in Europe, where all of the largest cotton-manufacturing countries are active belligerents. In 1913 these countries contained about 65 per cent of the world's cotton spindles and consumed about 50 per cent of all the cotton used.

During the past season a slight increase in the number of spindles has been made in the United States. It also appears that some additions have been made in the United Kingdom, India, Japan, China, and several of the less important cotton-spinning countries.

No satisfactory information as to the number of cotton spindles active during the past season in some

of the important countries is available; and Table 46 has been reproduced from a former census report. This table shows, by countries, the number of active cotton spindles for the years 1900 and 1914. It was compiled from a number of sources, and while absolute accuracy is not claimed for all of the figures, it is believed they closely approach the facts.

TABLE 46.—WORLD'S ACTIVE COTTON SPINDLES: 1900 AND 1914.

[The statistics for the United States were collected by the Bureau of the Census. Those for other countries have been compiled from a number of sources. Among them are Ellison's Annual Review of the Cotton Trade, Liverpool; the Commercial and Financial Chronicle, New York; Cotton Facts, New York; reports of the International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester; and statistics furnished by Mitsui & Co., Osaka; Bombay Cotton Trade Association, Bombay; and E. T. Craig, Mexico City.]

| COUNTRY.                      | ACTIVE COTTON SPINDLES. |             |
|-------------------------------|-------------------------|-------------|
|                               | 1914                    | 1900        |
| Total.....                    | 146,397,000             | 105,681,000 |
| United States.....            | 32,107,000              | 19,472,000  |
| Cotton-growing states.....    | 12,711,000              | 4,368,000   |
| All other states.....         | 19,396,000              | 15,104,000  |
| Europe:                       |                         |             |
| United Kingdom.....           | 56,300,000              | 45,500,000  |
| Germany.....                  | 11,550,000              | 8,000,000   |
| Russia.....                   | 9,100,000               | 7,500,000   |
| France.....                   | 7,410,000               | 5,500,000   |
| Austria-Hungary.....          | 4,970,000               | 3,300,000   |
| Italy.....                    | 4,620,000               | 1,940,000   |
| Spain.....                    | 2,210,000               | 2,615,000   |
| Belgium.....                  | 1,530,000               | 920,000     |
| Switzerland.....              | 1,380,000               | 1,550,000   |
| Sweden.....                   | 500,000                 | 360,000     |
| Portugal.....                 | 480,000                 | 230,000     |
| Netherlands.....              | 500,000                 | 300,000     |
| Denmark.....                  | 60,000                  | 40,000      |
| Norway.....                   | 65,000                  | 35,000      |
| Other European countries..... | 200,000                 | 130,000     |
| India.....                    | 6,500,000               | 4,045,000   |
| Japan.....                    | 2,750,000               | 1,274,000   |
| China.....                    | 1,000,000               | 57,000      |
| Brazil.....                   | 1,250,000               | 450,000     |
| Canada.....                   | 965,000                 | 550,000     |
| All other countries.....      | 800,000                 | 520,000     |

The information available as to the world's consumption of cotton during the season of 1914-15 for a number of countries is very unsatisfactory. In order, however, to afford some idea as to the quantity used, Table 47 has been prepared from such sources as are available. The figures for the United States were collected and compiled by this bureau. The amount for the United Kingdom is that published in the Weekly Circular of the Liverpool Cotton Association. The amount for the Continent was obtained by combining the following items: The takings of

## COTTON PRODUCTION AND DISTRIBUTION.

American cotton by the spinners on the Continent, which, as shown in that circular, were 3,927,000 bales; the production of cotton in the several European countries and in Asiatic Russia; the exports from Alexandria, Egypt, and from India to the Continent; the estimated imports from countries other than the United States, Egypt, and India, including Turkish cotton into Austria-Hungary and Persian cotton into Russia; and an estimated amount for reduction in stocks. The amounts for India, Japan, and Canada are as shown by the New York Commercial and Financial Chronicle in its annual review of the cotton movement, and that for all other countries is an estimate based on information contained in various publications and consular reports.

TABLE 47.—WORLD'S CONSUMPTION OF COTTON: SEASON OF 1914-15.

| COUNTRY.                   | Mill consumption of cotton (bales of 500 pounds net weight). |
|----------------------------|--|
| Total.....                 | 19,761,000   |
| United States.....         | 5,429,000  |
| Cotton-growing states..... | 2,938,000  |
| All other states.....      | 2,491,000  |
| Europe:                    |  |
| United Kingdom.....        | 3,890,000  |
| Continent.....             | 6,250,000  |
| India.....                 | 1,607,000  |
| Japan.....                 | 1,400,000  |
| Canada.....                | 185,000  |
| All other countries.....   | 1,000,000  |

# COTTONSEED PRODUCTS.

The utilization of cotton seed in manufacturing on a commercial scale is of comparatively recent date. The fact that this former waste product is rich in edible oil content and contains elements of great value in the mixing of feedstuffs and fertilizers was not at first appreciated. While some oil had been obtained from cotton seed by means of crude presses from time immemorial, it was not until late in the past century that machinery for the economical expression of the oil was devised. Prior to its use in manufacture, cotton seed in the United States was practically worthless, except for planting purposes and, in a few localities, for fertilizing. This by-product of the cotton crop, therefore, had but little value and was often considered a nuisance. Several cottonseed-oil mills had been built in this country prior to 1840, but as late as 1867 there were only four mills actually in operation. Formerly the chief purpose in crushing the seed was to obtain the oil; however, with the perfecting of machinery for

treating the seed and the finding of new uses for its products, the industry has had a remarkable development. Cottonseed meal, which formerly had very little value, is now used extensively in the manufacture of feed and fertilizers and contributes a large part of the value of cottonseed products. Hulls are in great demand for feeding purposes, while linters, which primarily were removed from the seed for the better separation of the meats from the hulls, are now used extensively in the manufacture of felts, bats, absorbent cotton, and explosives.

## GENERAL SUMMARY.

Table 48 shows, by states, the number of establishments engaged in crushing cotton seed, the quantity and cost of seed crushed, and the quantity and value of the crude products, as returned at each census of manufactures from 1899 to 1914, inclusive.

TABLE 48.—COMPARATIVE SUMMARY OF THE QUANTITY AND COST OF COTTON SEED CRUSHED AND OF THE QUANTITY AND VALUE OF CRUDE PRODUCTS MANUFACTURED, BY STATES: 1899, 1904, 1909, AND 1914.

| STATE.                | Year. | Number of active establishments. | COTTON SEED CRUSHED. |               |                                      |               | CRUDE COTTONSEED PRODUCTS. |              |                |              |           |              |             |             |
|-----------------------|-------|----------------------------------|----------------------|---------------|--------------------------------------|---------------|----------------------------|--------------|----------------|--------------|-----------|--------------|-------------|-------------|
|                       |       |                                  | Tons.                | Cost.         | Average consumption per mill (tons). | Total value.  | Oil.                       |              | Meal and cake. |              | Hulls.    |              | Linters.    |             |
|                       |       |                                  |                      |               |                                      |               | Gallons.                   | Value.       | Tons.          | Value.       | Tons.     | Value.       | Pounds.     | Value.      |
| United States.....    | 1914  | 872                              | 4,847,028            | \$123,335,209 | 5,559                                | \$156,036,437 | 103,333,019                | \$81,024,392 | 2,217,378      | \$56,003,519 | 1,402,909 | \$11,206,774 | 334,116,513 | \$7,711,752 |
|                       | 1909  | 810                              | 3,827,301            | 78,111,857    | 4,725                                | 107,528,204   | 158,328,541                | 55,327,937   | 1,074,545      | 40,493,513   | 1,267,538 | 7,699,857    | 175,773,077 | 4,006,897   |
|                       | 1904  | 717                              | 3,345,370            | 51,878,604    | 4,666                                | 69,310,624    | 133,817,772                | 31,341,912   | 1,360,172      | 27,766,556   | 1,213,344 | 5,588,814    | 117,792,969 | 4,613,342   |
|                       | 1899  | 357                              | 2,479,386            | 28,632,016    | 6,945                                | 42,411,835    | 93,325,729                 | 21,390,674   | 884,391        | 16,039,576   | 1,109,289 | 3,189,354    | 57,272,063  | 1,801,231   |
| Alabama.....          | 1914  | 80                               | 427,845              | 11,354,429    | 4,975                                | 14,486,977    | 17,627,203                 | 7,580,844    | 300,791        | 5,119,400    | 118,976   | 1,067,028    | 27,536,555  | 719,645     |
|                       | 1909  | 71                               | 310,754              | 6,263,827     | 4,377                                | 8,714,277     | 13,061,384                 | 4,418,413    | 141,162        | 3,383,070    | 95,351    | 628,303      | 13,770,427  | 283,825     |
|                       | 1904  | 58                               | 265,053              | 4,062,458     | 4,580                                | 5,578,189     | 10,434,364                 | 2,565,424    | 107,229        | 2,217,343    | 95,517    | 490,800      | 8,420,309   | 304,545     |
|                       | 1899  | 27                               | 172,093              | 2,019,085     | 6,374                                | 2,952,254     | 6,704,951                  | 1,520,834    | 60,389         | 1,076,150    | 80,167    | 217,925      | 4,331,010   | 137,345     |
| Arkansas.....         | 1914  | 43                               | 312,765              | 6,837,855     | 7,273                                | 8,893,136     | 11,597,072                 | 4,414,520    | 136,598        | 3,394,816    | 89,098    | 650,879      | 22,101,718  | 432,012     |
|                       | 1909  | 44                               | 278,337              | 5,577,519     | 6,326                                | 7,700,341     | 11,435,450                 | 4,026,497    | 116,709        | 2,805,398    | 94,200    | 512,213      | 12,889,408  | 296,233     |
|                       | 1904  | 42                               | 238,227              | 3,803,975     | 5,072                                | 4,912,819     | 9,557,093                  | 2,373,000    | 94,263         | 1,863,278    | 84,374    | 343,209      | 8,572,572   | 342,732     |
|                       | 1899  | 20                               | 190,015              | 2,245,710     | 9,901                                | 3,188,812     | 7,224,971                  | 1,644,465    | 65,459         | 1,142,102    | 90,053    | 248,770      | 4,613,519   | 153,475     |
| Georgia.....          | 1914  | 155                              | 864,680              | 23,902,017    | 5,579                                | 30,138,354    | 38,389,261                 | 10,864,313   | 404,702        | 9,803,441    | 252,319   | 2,050,618    | 55,701,475  | 1,359,932   |
|                       | 1909  | 145                              | 594,070              | 12,435,932    | 4,097                                | 17,084,325    | 26,181,463                 | 9,108,369    | 261,717        | 6,234,955    | 188,270   | 1,229,561    | 26,040,114  | 511,440     |
|                       | 1904  | 120                              | 368,996              | 5,924,680     | 3,075                                | 8,109,677     | 15,284,303                 | 3,679,539    | 151,011        | 3,157,920    | 131,521   | 761,644      | 13,281,489  | 520,574     |
|                       | 1899  | 46                               | 271,833              | 3,246,814     | 5,909                                | 4,787,100     | 10,006,693                 | 2,468,386    | 91,037         | 1,713,038    | 132,344   | 405,581      | 6,398,830   | 200,095     |
| Louisiana.....        | 1914  | 32                               | 100,969              | 3,395,973     | 5,021                                | 4,363,504     | 5,910,967                  | 2,046,132    | 77,318         | 1,790,800    | 39,243    | 307,780      | 11,907,454  | 218,780     |
|                       | 1909  | 41                               | 153,548              | 3,333,713     | 3,794                                | 4,496,799     | 6,527,563                  | 2,300,681    | 70,739         | 1,737,187    | 45,617    | 294,708      | 7,282,908   | 164,223     |
|                       | 1904  | 49                               | 319,704              | 4,721,103     | 6,525                                | 6,623,523     | 13,158,549                 | 2,985,670    | 138,301        | 2,812,160    | 103,955   | 414,527      | 10,771,995  | 411,106     |
|                       | 1899  | 21                               | 250,983              | 2,833,707     | 11,952                               | 4,397,891     | 9,092,640                  | 2,222,702    | 91,348         | 1,715,424    | 114,449   | 287,056      | 6,133,001   | 172,055     |
| Mississippi.....      | 1914  | 69                               | 50,190               | 12,866,455    | 7,330                                | 16,696,963    | 21,312,278                 | 8,878,609    | 232,126        | 5,783,291    | 138,609   | 1,150,800    | 35,652,331  | 884,203     |
|                       | 1909  | 89                               | 559,357              | 10,848,270    | 6,285                                | 15,468,769    | 24,386,289                 | 8,079,117    | 244,738        | 5,746,029    | 181,797   | 1,095,415    | 24,237,536  | 548,208     |
|                       | 1904  | 92                               | 556,306              | 8,932,300     | 6,048                                | 12,093,059    | 22,975,991                 | 5,752,963    | 228,122        | 4,673,017    | 198,404   | 942,705      | 17,418,633  | 724,374     |
|                       | 1899  | 41                               | 394,678              | 4,577,995     | 9,626                                | 6,671,031     | 15,033,565                 | 3,264,278    | 141,529        | 2,618,405    | 185,000   | 396,791      | 9,199,737   | 291,557     |
| North Carolina.....   | 1914  | 63                               | 328,705              | 9,783,078     | 5,218                                | 11,865,452    | 14,602,325                 | 6,410,872    | 148,800        | 4,180,094    | 95,335    | 771,752      | 17,259,390  | 502,734     |
|                       | 1909  | 53                               | 214,582              | 4,695,456     | 4,049                                | 6,199,488     | 9,611,894                  | 3,278,844    | 92,900         | 2,348,825    | 68,459    | 367,112      | 8,442,520   | 204,707     |
|                       | 1904  | 44                               | 148,097              | 2,650,615     | 3,306                                | 3,446,709     | 6,269,062                  | 1,609,950    | 59,787         | 1,876,619    | 53,184    | 268,813      | 4,472,965   | 200,327     |
|                       | 1899  | 20                               | 107,660              | 1,313,603     | 5,383                                | 1,880,015     | 4,388,277                  | 979,637      | 36,088         | 678,973      | 52,139    | 145,928      | 2,149,996   | 75,477      |
| Oklahoma.....         | 1914  | 60                               | 255,075              | 5,820,350     | 4,251                                | 7,543,414     | 8,292,903                  | 3,990,404    | 118,903        | 3,116,696    | 72,778    | 589,210      | 20,753,751  | 447,044     |
|                       | 1909  | 39                               | 186,352              | 3,934,987     | 4,778                                | 5,180,034     | 6,817,974                  | 2,546,521    | 78,690         | 2,012,734    | 62,290    | 367,899      | 9,584,227   | 252,890     |
|                       | 1904  | 24                               | 168,454              | 2,129,068     | 7,019                                | 3,080,079     | 6,384,973                  | 1,250,043    | 67,417         | 1,340,831    | 62,264    | 224,412      | 7,109,080   | 264,793     |
|                       | 1899  | 12                               | 52,840               | 545,450       | 4,403                                | 850,141       | 1,868,906                  | 394,012      | 18,666         | 340,592      | 25,498    | 73,809       | 1,199,535   | 41,608      |
| South Carolina.....   | 1914  | 98                               | 418,486              | 11,824,557    | 4,270                                | 15,045,102    | 18,979,394                 | 8,342,602    | 190,498        | 8,743,186    | 116,403   | 950,557      | 23,781,020  | 714,831     |
|                       | 1909  | 102                              | 346,550              | 7,530,045     | 3,398                                | 10,170,440    | 15,745,522                 | 5,465,826    | 156,729        | 3,796,143    | 103,795   | 573,559      | 14,356,169  | 334,912     |
|                       | 1904  | 90                               | 232,103              | 3,797,983     | 2,153                                | 4,946,030     | 9,178,061                  | 2,322,870    | 90,815         | 1,980,895    | 71,942    | 360,795      | 6,041,495   | 269,464     |
|                       | 1899  | 48                               | 156,042              | 2,189,408     | 8,203                                | 3,043,547     | 6,162,218                  | 1,545,934    | 57,986         | 1,169,645    | 71,542    | 127,886      | 3,223,892   | 110,062     |
| Tennessee.....        | 1914  | 23                               | 267,466              | 6,674,240     | 11,629                               | 9,097,590     | 10,860,022                 | 4,885,719    | 117,886        | 3,116,277    | 78,701    | 603,440      | 19,826,252  | 492,124     |
|                       | 1909  | 20                               | 179,475              | 3,528,945     | 8,974                                | 5,082,745     | 7,525,409                  | 2,611,216    | 76,903         | 1,925,842    | 59,434    | 325,109      | 8,583,484   | 220,578     |
|                       | 1904  | 20                               | 143,479              | 2,367,686     | 7,174                                | 3,099,247     | 5,760,569                  | 1,442,643    | 58,477         | 1,169,980    | 53,738    | 232,477      | 5,918,496   | 254,147     |
|                       | 1899  | 15                               | 168,307              | 1,848,829     | 11,220                               | 2,737,038     | 6,454,173                  | 1,363,555    | 59,613         | 1,045,795    | 79,858    | 166,105      | 4,058,473   | 131,583     |
| Texas.....            | 1914  | 229                              | 1,191,508            | 28,059,376    | 5,203                                | 34,188,080    | 41,349,603                 | 16,296,043   | 538,752        | 13,348,020   | 367,090   | 2,793,023    | 92,970,687  | 1,749,180   |
|                       | 1909  | 192                              | 910,374              | 18,267,454    | 4,773                                | 25,022,309    | 33,497,933                 | 12,270,855   | 395,791        | 9,500,062    | 340,523   | 2,144,880    | 46,994,462  | 1,107,212   |
|                       | 1904  | 155                              | 864,767              | 12,437,330    | 5,579                                | 16,173,485    | 32,239,649                 | 10,776,342   | 340,709        | 6,608,821    | 337,233   | 1,450,984    | 33,307,490  | 1,247,388   |
|                       | 1899  | 102                              | 692,604              | 7,500,061     | 6,790                                | 11,519,658    | 24,354,095                 | 5,690,293    | 252,983        | 4,371,377    | 325,119   | 975,489      | 15,544,379  | 470,527     |
| All other states..... | 1914  | 14                               | 114,258              | 2,816,900     | 8,161                                | 3,717,775     | 4,411,991                  | 1,913,605    | 50,944         | 1,351,477    | 34,238    | 202,076      | 6,625,230   | 190,617     |
|                       | 1909  | 14                               | 85,902               | 1,697,709     | 6,136                                | 2,408,477     | 3,538,160                  | 1,221,598    | 38,401         | 941,662      | 27,797    | 161,548      | 5,641,732   | 83,669      |
|                       | 1904  | 14                               | 58,494               | 1,021,406     | 4,178                                | 1,247,807     | 2,591,862                  | 591,862      | 24,041         | 479,692      | 21,152    | 102,388      | 1,817,565   | 73,865      |
|                       | 1899  | 5                                | 21,731               | 254,225       | 4,346                                | 378,350       | 834,640                    | 190,548      | 8,693          | 153,075      | 9,430     | 23,360       | 419,025     | 11,367      |

In some establishments the crushing of cotton seed is carried on in connection with some other line of manufacture. However, to enable a complete statistical presentation, the census inquiry called for the quantity and cost of cotton seed crushed and the total production of the several crude products derived therefrom, whether sold as such or used as intermediate products in further processes of manufacture, such as the refining of oil and the mixing of fertilizer and feed. The totals shown in the table, therefore, include estimates as to the value of the crude products when not sold, the values therefor being computed on the basis of the average prices obtained for those sold.

Generally speaking, the manufactures census related to the calendar year 1914; however, in view of the fact that the cottonseed-products industry is a seasonal one, it was decided to have the statistics cover the season of 1913-14, thus permitting the concerns interested to make their reports for the business year and, at the same time, securing a uniform season. Such data are obviously of greater value than if some of the reports related to one season, others to another season, and still others to parts of two seasons.

Between 1899 and 1914 the number of establishments engaged in crushing cotton seed increased from 357 to 872, or 144.3 per cent, and the quantity of seed crushed from 2,479,386 tons to 4,847,628 tons, or 95.5 per cent. The number of active mills has increased since 1909 in all of the states except Louisiana and Mississippi, where the industry has been greatly affected by the boll weevil, and Arkansas and South Carolina, which show slight losses in number of mills operated. Texas shows an increase of 37 establishments, compared with 1909; Oklahoma, 21; Alabama, 15; and Georgia, 10. All of the states, with the exception of Mississippi, show an increase in the quantity of seed crushed, Texas and Georgia, each with an increase of more than 270,000 tons, leading in this respect.

The average quantity of seed crushed per mill was 5,559 tons. This average exceeded that for 1904 and 1909, but was less than in 1899. When the oil-mill industry was first established the mills were located in the more important centers. These centrally located mills were usually of large capacity and obtained part of their seed supply, in some instances, from considerable distances. With the development of the industry, however, many mills have been established in the smaller towns, and these, as a rule, are of smaller capacity and depend largely on the immediate vicinity for their seed supply. Tennessee, with an average crush per mill of 11,629 tons in 1913-14, leads all other states in this regard. This is accounted for by the fact that Memphis, with a number of large mills, is the most important cottonseed-crushing center in the world.

In the following statement the establishments represented in the preceding table for the season of

1913-14 are classified according to the quantity of seed crushed:

| STATE.                | NUMBER OF COTTONSEED-OIL MILLS. |                       |                                 |                                 |                                  |                                   |                       |
|-----------------------|---------------------------------|-----------------------|---------------------------------|---------------------------------|----------------------------------|-----------------------------------|-----------------------|
|                       | Total.                          | Crushing—             |                                 |                                 |                                  |                                   |                       |
|                       |                                 | Less than 1,000 tons. | 1,000 but less than 2,000 tons. | 2,000 but less than 5,000 tons. | 5,000 but less than 10,000 tons. | 10,000 but less than 20,000 tons. | 20,000 tons and over. |
| United States....     | 872                             | 68                    | 103                             | 339                             | 253                              | 86                                | 23                    |
| Alabama.....          | 86                              | 9                     | 12                              | 27                              | 29                               | 7                                 | 2                     |
| Arkansas.....         | 43                              | 3                     | 2                               | 10                              | 19                               | 8                                 | 1                     |
| Georgia.....          | 155                             | 14                    | 21                              | 73                              | 26                               | 14                                | 7                     |
| Louisiana.....        | 32                              | 1                     | 3                               | 18                              | 5                                | 5                                 | 1                     |
| Mississippi.....      | 69                              | 2                     | 6                               | 22                              | 23                               | 13                                | 3                     |
| North Carolina.....   | 63                              | 6                     | 8                               | 27                              | 15                               | 5                                 | 2                     |
| Oklahoma.....         | 60                              | 9                     | 6                               | 18                              | 25                               | 2                                 | 2                     |
| South Carolina.....   | 98                              | 9                     | 27                              | 35                              | 19                               | 6                                 | 2                     |
| Tennessee.....        | 23                              | -----                 | 1                               | 1                               | 10                               | 9                                 | 2                     |
| Texas.....            | 229                             | 13                    | 17                              | 107                             | 74                               | 15                                | 3                     |
| All other states..... | 14                              | 2                     | -----                           | 1                               | 8                                | 2                                 | 1                     |

Of the mills operated during the season, 171 crushed less than 2,000 tons each from the crop of 1913; 510, or 58.5 per cent of the total number, crushed less than 5,000 tons each; and 763, or 87.5 per cent, less than 10,000 tons each. There were 109 mills, each of which crushed 10,000 tons or more, and these together reported more than 35 per cent of the total quantity of seed crushed.

The total cost of seed for the season of 1913-14, as delivered at the mill, thus including freight and commission, was \$123,335,299. The average cost per ton was \$25.44, which compares with \$20.41 for 1909 and \$11.55 for 1899. The average was higher than that for the United States in Alabama, Georgia, North Carolina, and South Carolina, and lower in Arkansas, Louisiana, Oklahoma, and Texas. North Carolina, with \$29.76, shows the highest average cost per ton of seed and Louisiana, with \$21.14, the lowest. A number of factors must be considered in accounting for wide differences in the cost of seed throughout the Cotton Belt, among others being the oil content of the seed, proximity of the supply, home markets for products, and competition.

The total value of crude cottonseed products manufactured during the season of 1913-14 amounted to \$156,036,437, compared with \$107,528,204 in 1909, \$69,310,624 in 1904, and \$42,411,835 in 1899. Compared with 1909, all of the states, with the exception of Louisiana, show an increase. The average value of products per ton of seed crushed was \$17.11 in 1899, \$20.72 in 1904, \$28.10 in 1909, and \$32.19 in 1914. The average varies greatly for the different states, ranging for the season of 1913-14 from \$27.11 in Louisiana and \$28.43 in Arkansas to \$34.10 in North Carolina, and \$35.95 in South Carolina. The comparatively low averages for Louisiana and Arkansas may be accounted for, in part, by the poor condition of the seed, due to an unusually wet season. In 1914 oil

represented 51.9 per cent of the total value of crude products; meal and cake, 36 per cent; hulls, 7.2 per cent; and linters, 4.9 per cent. These proportions are practically identical with those for 1909.

The average value of oil produced during the season of 1913-14 was 41.9 cents per gallon; of cake and meal, \$25.30 per ton; of hulls, \$7.99 per ton; and of linters, 2.3 cents per pound. The fluctuations in the average values of the several products for the three census years are due in a large measure to the fluctuations in the market values of products with which they come into competition. For instance, the price of oil is affected by the prices of hogs' lard, soap stock, olive oil, etc., and the price of meal and cake and of hulls by those of other feedstuffs and of fertilizer materials.

The ratios which the weights of the several products in 1914 bore to the total weight of the seed, when received at the mill, were as follows: Crude oil, 15 per cent; cake and meal, 45.7 per cent; hulls, 28.9 per cent; and linters, 3.4 per cent; leaving a loss of 7 per cent. The corresponding percentages for 1909 were: Crude oil, 15.5; meal and cake, 43.8; hulls, 33.1; linters, 2.3; and a loss of 5.3 per cent. From a comparison of these figures, it will be observed that there has been a slight decrease in the relative quantity of oil produced, a noticeable decrease in that of hulls, and increases in those of meal and cake and of linters. The reduction in the average production of hulls may be accounted for by the closer delinting of the seed and by the introduction of cold-press mills, which extract the oil from the seed without hulling, the resulting cake including the hulls. The number of these cold-press mills operated during the season of 1913-14 was 61. All of the important cotton states report some of these mills, the largest number being returned from Oklahoma. The relation among the average quan-

ties of the several products that can be obtained from a given quantity of cotton seed depends largely upon the variety and condition of the seed and the climatic conditions during the growing and harvesting seasons, as well as upon the efficiency of the mill.

#### PERIODICAL REPORTS OF COTTON SEED CRUSHED AND LINTERS OBTAINED.

The substitution of linters for long-fiber cotton in many lines of manufacture has created a demand for information as to the production. The Bureau of the Census has accordingly collected data of linters obtained and associated them with the statistics of cotton ginned. With the development of the oil-mill industry, it has been found advantageous to delint the seed much more closely than was the practice but a few years ago, and some of the mills now pass the seed through the linter machine a second time. The more nearly the fiber is removed from the seed, the less is the meat carried off with the hulls and consequently the greater is the yield of oil and cake, which are the more valuable products. The total production of linters for each year since the inauguration of the annual reports of cotton ginned is shown in Table 1, while the production by states is given in Table 2 for the years 1910 to 1914, inclusive. Although the data relative to the production of linters have been collected in connection with the statistics of cotton ginned, information as to the quantity of cotton seed used by the oil mills in manufacture has been collected for only the last three years, except at the general censuses of manufactures. Table 49 shows, by states, for the crops of 1911 to 1914, inclusive, the number of cottonseed-oil mills active, the quantity of seed crushed, the total quantity of linters obtained, and the average quantity of linters obtained per ton of seed treated.

TABLE 49.—NUMBER OF COTTONSEED-OIL MILLS, QUANTITY OF SEED CRUSHED, AND QUANTITY OF LINTERS OBTAINED, BY STATES: CROPS OF 1911 TO 1914.

| STATE.                | ACTIVE COTTONSEED-OIL MILLS. |      |      |      | COTTON SEED CRUSHED. |           |           |           | LINTERS OBTAINED. |         |         |         |   |      |      |      |
|-----------------------|------------------------------|------|------|------|----------------------|-----------|-----------|-----------|-------------------|---------|---------|---------|---|------|------|------|
|                       | Number.                      |      |      |      | Tons.                |           |           |           | Running bales.    |         |         |         | Average per ton of seed crushed (pounds). |      |      |      |
|                       | 1914                         | 1913 | 1912 | 1911 | 1914                 | 1913      | 1912      | 1911      | 1914              | 1913    | 1912    | 1911    | 1914                                      | 1913 | 1912 | 1911 |
| United States.....    | 885                          | 870  | 857  | 839  | 5,779,665            | 4,767,802 | 4,570,508 | 4,921,073 | 832,401           | 631,153 | 602,324 | 556,276 | 74  | 67   | 67   | 57   |
| Alabama.....          | 92                           | 85   | 79   | 78   | 502,374              | 428,447   | 347,224   | 410,295   | 69,924            | 53,880  | 38,839  | 40,667  | 71  | 63   | 56   | 50   |
| Arkansas.....         | 43                           | 43   | 42   | 43   | 314,308              | 305,042   | 240,360   | 273,455   | 46,242            | 40,671  | 34,084  | 31,836  | 77  | 69   | 70   | 60   |
| Florida.....          | 4                            | 4    | 4    | 4    | 33,150               | 23,650    | 19,069    | 26,156    | 3,090             | 2,621   | 1,415   | 1,955   | 49  | 51   | 34   | 32   |
| Georgia.....          | 155                          | 156  | 157  | 154  | 1,053,927            | 861,177   | 630,836   | 814,152   | 141,478           | 110,629 | 76,185  | 80,313  | 66  | 63   | 59   | 47   |
| Louisiana.....        | 30                           | 32   | 31   | 34   | 175,924              | 153,526   | 151,742   | 157,175   | 24,689            | 21,823  | 17,927  | 18,592  | 73  | 73   | 61   | 60   |
| Mississippi.....      | 70                           | 68   | 75   | 73   | 527,005              | 502,326   | 393,635   | 430,356   | 78,781            | 60,766  | 45,228  | 46,718  | 79  | 64   | 61   | 57   |
| Missouri.....         | 4                            | 4    | 4    | 4    | 32,226               | 27,994    | 22,419    | 42,271    | 4,062             | 3,399   | 2,433   | 4,217   | 68  | 63   | 56   | 52   |
| North Carolina.....   | 66                           | 64   | 63   | 63   | 387,765              | 317,955   | 309,800   | 330,784   | 45,497            | 34,908  | 28,729  | 30,131  | 58  | 52   | 43   | 44   |
| Oklahoma.....         | 61                           | 58   | 55   | 48   | 410,733              | 249,721   | 337,617   | 306,842   | 68,929            | 38,536  | 52,016  | 39,260  | 91  | 82   | 81   | 67   |
| South Carolina.....   | 95                           | 98   | 99   | 102  | 460,757              | 411,292   | 340,555   | 387,962   | 58,416            | 46,580  | 35,517  | 36,989  | 62  | 55   | 50   | 46   |
| Tennessee.....        | 23                           | 23   | 23   | 22   | 277,930              | 259,556   | 164,703   | 251,829   | 41,601            | 34,671  | 22,292  | 28,815  | 79  | 69   | 71   | 58   |
| Texas.....            | 233                          | 229  | 220  | 209  | 1,514,505            | 1,166,369 | 1,570,966 | 1,415,321 | 238,395           | 176,202 | 243,314 | 190,096 | 82  | 77   | 78   | 68   |
| All other states..... | 19                           | 6    | 5    | 5    | 88,161               | 60,747    | 41,582    | 74,475    | 11,327            | 6,397   | 4,345   | 6,687   | 66  | 55   | 54   | 48   |

<sup>1</sup> Includes Arizona, 2; California, 3; Illinois, 2; Kansas, 1; and Kentucky, 1.



According to Table 49, there were 885 establishments engaged in crushing cotton seed from the crop of 1914, as compared with 870 in 1913, 857 in 1912, and 839 in 1911. Since 1911 Texas has made a gain of 24 active establishments, Oklahoma of 19, Alabama of 14, South Carolina of 7, Arizona of 2, and California of 2.

The slight differences in number of establishments and other items between Tables 48 and 49 are due partly to the fact that the data for Table 49 were collected in March at the final canvass of ginneries before the end of the crushing season and necessarily contain estimates for the remainder of the season, and partly to the fact that Table 48 includes the reports of several establishments for the calendar year 1914 which had been idle up to the time of the March canvass.

The estimated quantity of cotton seed produced from the crop of 1914, according to Table 10, was 7,186,000 tons, which compares with 6,305,000 tons from the crop of 1913, 6,104,000 tons from that of 1912, and 6,997,000 tons from that of 1911. Of the total for 1914, 5,779,665 tons, or 80.4 per cent, were taken by the oil mills, thus leaving 1,406,335 tons, or 19.6 per cent, for planting, export, feeding, and other purposes. The proportion taken by the oil mills from the crop of 1913 was 75.6 per cent; from that of 1912, 75 per cent; and from that of 1911, 70 per cent. The proportion which the quantity of seed crushed forms of the total produced, as shown in Table 10, varies for the different states, but this is accounted for in part by the interstate shipment of seed and by differences in accessibility to the mills and in the quantity of the seed retained for planting. Larger proportions are kept for this purpose in some localities, especially where the better varieties of cotton are grown. In Alabama, Arkansas, and South Carolina the proportion of the estimated seed production which was taken by the oil mills of those states was comparatively low, large quantities of seed grown in these states being shipped to other states for crushing. On the other hand, the amount returned by the mills in Tennessee

exceeded the total production of the state. This is due to the fact that Memphis is one of the most important crushing centers in the Cotton Belt and draws seed from other states, particularly Arkansas.

The average quantity of seed crushed per establishment in the United States from the crop of 1914 was 6,531 tons, which compares with 5,480, 5,344, and 5,865 tons, respectively, for the three previous seasons. Wide variations appear in the average consumption of the mills in the different states, those in South Carolina showing the smallest and those in Tennessee the largest average crush for each of the years named.

As previously stated, the quantity of linters produced increased from 114,544 equivalent 500-pound bales from the crop of 1899 to 856,900 such bales from the crop of 1914. Statistics as to the quantity of seed treated in obtaining the linters have been collected for only the last four years, but it is evident that the average production of linters per ton of seed crushed has been steadily increasing. The average for the country as a whole was 74 pounds in 1914, 67 pounds in 1913 and in 1912, and 57 pounds in 1911. This marked increase in the production of linters per ton of seed treated was due largely to the installation of improved machinery, which effects closer delinting. For 1914 Oklahoma, with 91 pounds, shows the highest production per ton of seed treated, while Texas, with 82 pounds, is next, followed by Mississippi and Tennessee, with 79 pounds, and Arkansas, with 77 pounds. The low average for Florida is accounted for by the fact that a considerable portion of the seed crushed is of the sea-island variety.

*Cotton seed crushed and linters obtained to specified dates.*—Prior to the season of 1912-13 statistics of linters obtained by reginning cotton seed were collected only in March of each year. For the crop of 1912 data were also collected showing the quantity of seed crushed and linters obtained to January 1, and for the crops of 1913 and 1914 the quantities to December 1 and January 1. This information is given, by states, in the following table:

TABLE 50.—COTTON SEED CRUSHED AND LINTERS OBTAINED TO DECEMBER 1 AND JANUARY 1, BY STATES: CROPS OF 1912, 1913, AND 1914.

| STATE.                | COTTON SEED OF CROP INDICATED CRUSHED PRIOR TO— |           |           |           |           | LINTERS OF CROP INDICATED OBTAINED PRIOR TO— |         |         |         |         |
|-----------------------|---|-----------|-----------|-----------|-----------|--|---------|---------|---------|---------|
|                       | Jan. 1.   |           |           | Dec. 1.   |           | Jan. 1.                                      |         |         | Dec. 1. |         |
|                       | 1914  | 1913      | 1912      | 1914      | 1913      | 1914   | 1913    | 1912    | 1914    | 1913    |
|                       | Tons.   | Tons.     | Tons.     | Tons.     | Tons.     | Bales.                                       | Bales.  | Bales.  | Bales.  | Bales.  |
| United States.....    | 3,338,176                                       | 3,012,685 | 2,739,897 | 2,473,931 | 2,192,276 | 462,073                                      | 397,974 | 352,972 | 341,142 | 288,468 |
| Alabama.....          | 286,226   | 262,854   | 235,264   | 211,935   | 192,841   | 38,414                                       | 32,789  | 25,966  | 28,085  | 23,863  |
| Arkansas.....         | 184,465   | 175,312   | 142,533   | 132,847   | 116,632   | 25,833                                       | 22,667  | 18,830  | 18,121  | 15,290  |
| Florida.....          | 23,874  | 17,578    | 15,650    | 19,177    | 13,806    | 2,176  | 1,677   | 1,154   | 1,690   | 1,397   |
| Georgia.....          | 584,544   | 515,137   | 405,541   | 433,046   | 375,266   | 75,063                                       | 65,461  | 48,900  | 56,293  | 46,846  |
| Louisiana.....        | 122,343   | 103,022   | 94,877    | 90,932    | 74,625    | 16,008                                       | 13,538  | 10,324  | 11,948  | 9,508   |
| Mississippi.....      | 319,820   | 284,527   | 241,987   | 228,796   | 195,700   | 44,376                                       | 34,620  | 27,936  | 31,614  | 23,390  |
| Missouri.....         | 20,342  | 19,530    | 15,568    | 13,947    | 13,749    | 2,619  | 2,381   | 1,642   | 1,800   | 1,649   |
| North Carolina.....   | 186,522   | 162,995   | 160,164   | 126,458   | 114,283   | 21,371                                       | 17,607  | 14,889  | 14,409  | 11,823  |
| Oklahoma.....         | 232,557   | 188,473   | 191,936   | 164,675   | 136,191   | 37,397                                       | 28,885  | 28,794  | 26,213  | 20,966  |
| South Carolina.....   | 257,576   | 239,439   | 203,889   | 190,315   | 171,496   | 29,887                                       | 26,779  | 20,719  | 21,799  | 19,105  |
| Tennessee.....        | 156,382   | 151,221   | 107,739   | 111,358   | 100,120   | 22,176                                       | 19,234  | 13,432  | 15,032  | 12,658  |
| Texas.....            | 921,978   | 860,321   | 901,047   | 724,870   | 667,176   | 141,970                                      | 120,243 | 138,190 | 111,027 | 99,859  |
| All other states..... | 41,547  | 32,276    | 23,702    | 25,575    | 20,391    | 4,783  | 3,093   | 2,187   | 3,111   | 2,005   |

Prior to January 1 of the following year, 3,338,176 tons of cotton seed from the crop of 1914 had been crushed, 3,012,685 tons from the crop of 1913, and 2,739,897 tons from that of 1912. These amounts represent, respectively, 57.8 per cent, 63.2 per cent, and 59.8 per cent of the totals crushed for the three seasons. The relatively small percentage shown for the latest crop was due, in part, to the greater size of the total crush and, consequently, the greater length of the crushing season; in part to the earlier harvesting of the crop in Oklahoma and Texas in 1913; and in part to the slow start made at the beginning of the season on account of the unfavorable business conditions following the outbreak of hostilities in Europe. The states crushing prior to this date the largest proportions of their totals for the season of 1914-15 were Florida, with 72 per cent, and Louisiana, with 69.6 per cent, while North Carolina, with 48.1 per cent, shows the smallest proportion.

Prior to December 1 the mills treated 42.8 per cent of the total quantity of seed crushed from the crop of 1914, as against 45.9 per cent to the same date in the previous year. Florida is the only state showing at this date a crush of more than 50 per cent of its total, whereas in 1913 Texas and Oklahoma also reported much more than half their total crush at this date.

## COMPARATIVE DATA FOR THE INDUSTRY.

The remarkable development of the cottonseed-products industry in the United States is indicated in Table 51, which shows the estimated quantity of cotton seed produced, the quantity utilized for manufacturing purposes, and the estimated quantities and values of crude products manufactured, together with statistics regarding the exports of cotton seed and its products for a series of years.

TABLE 51.—ESTIMATED QUANTITY OF COTTON SEED PRODUCED, QUANTITY OF COTTON SEED CRUSHED, ESTIMATED QUANTITIES AND VALUES OF CRUDE PRODUCTS OBTAINED, AND EXPORTS OF COTTONSEED PRODUCTS: 1874 TO 1914.

[In the preparation of this table a number of sources of information have been utilized, but it has been found impracticable to secure in all instances satisfactory data for the years indicated, and only an approximation to the facts is claimed. Statistics of the quantity of seed produced and the quantity crushed and of cottonseed products relate to the growth year, while the statistics of exports are for the year ending June 30, following.]

| YEAR.                   | COTTON SEED—        |                    | CRUDE COTTONSEED PRODUCTS. |                        |              |                     |              |                     |             |   | EXPORTS.    |                           |                         |                             |
|-------------------------|---------------------|--------------------|----------------------------|------------------------|--------------|---------------------|--------------|---------------------|-------------|---|-------------|---------------------------|-------------------------|-----------------------------|
|                         | Produced<br>(tons). | Crushed<br>(tons). | Total<br>value.            | Oil.                   |              | Cake and meal.      |              | Hulls.              |             | Linters.  |             | Cotton<br>seed<br>(tons). | Cottonseed<br>products. |                             |
|                         |                     |                    |                            | Quantity<br>(gallons). | Value.       | Quantity<br>(tons). | Value.       | Quantity<br>(tons). | Value.      | Quantity<br>(bales<br>of 500<br>pounds<br>net). | Value.      |                           | Oil<br>(gallons).       | Cake and<br>meal<br>(tons). |
| 1914.....               | 7,186,000           | 5,779,665          | \$152,880,000              | 229,260,000            | \$80,540,000 | 2,648,000           | \$57,740,000 | 1,677,000           | \$8,450,000 | 820,274   | \$6,150,000 | 3,157                     | 42,448,870              | 730,533                     |
| 1913.....               | 6,305,000           | 4,847,628          | 159,670,000                | 193,330,000            | 81,020,000   | 2,220,000           | 59,810,000   | 1,400,000           | 11,210,000  | 660,087   | 7,630,000   | 8,171                     | 25,728,411              | 399,987                     |
| 1912.....               | 6,104,000           | 4,579,508          | 132,230,000                | 185,750,000            | 69,100,000   | 1,999,000           | 45,970,000   | 1,540,000           | 9,710,000   | 583,091   | 7,450,000   | 12,024                    | 42,031,052              | 564,046                     |
| 1911.....               | 6,997,000           | 4,921,073          | 131,340,000                | 201,650,000            | 66,580,000   | 2,151,000           | 49,720,000   | 1,642,000           | 9,890,000   | 533,099   | 5,150,000   | 32,030                    | 53,262,796              | 646,845                     |
| 1910.....               | 5,175,000           | 4,106,000          | 142,710,000                | 107,970,000            | 80,430,000   | 1,792,000           | 44,660,000   | 1,375,000           | 11,370,000  | 379,576   | 6,250,000   | 6,612                     | 30,069,459              | 402,298                     |
| 1909 <sup>1</sup> ..... | 4,462,000           | 3,269,000          | 105,720,000                | 131,000,000            | 55,230,000   | 1,326,000           | 35,010,000   | 1,189,000           | 9,810,000   | 296,640   | 4,770,000   | 12,466                    | 29,860,667              | 320,044                     |
| 1908.....               | 5,904,000           | 3,670,000          | 86,090,000                 | 146,790,000            | 44,090,000   | 1,492,000           | 33,580,000   | 1,330,000           | 6,080,000   | 330,277   | 2,340,000   | 25,813                    | 51,087,329              | 616,875                     |
| 1907.....               | 4,952,000           | 2,565,000          | 65,980,000                 | 103,050,000            | 33,390,000   | 1,043,000           | 23,300,000   | 927,000             | 6,370,000   | 256,487   | 2,920,000   | 14,239                    | 41,019,991              | 464,644                     |
| 1906.....               | 5,913,000           | 3,844,000          | 94,380,000                 | 153,760,000            | 43,050,000   | 1,786,000           | 39,140,000   | 1,593,000           | 8,840,000   | 307,518   | 3,350,000   | 8,814                     | 41,880,304              | 670,484                     |
| 1905.....               | 5,065,000           | 3,131,000          | 64,950,000                 | 125,700,000            | 26,400,000   | 1,272,000           | 29,250,000   | 1,135,000           | 5,110,000   | 210,397   | 4,190,000   | 11,859                    | 43,793,519              | 555,417                     |
| 1904.....               | 6,427,000           | 3,545,000          | 69,310,000                 | 133,820,000            | 31,340,000   | 1,360,000           | 27,770,000   | 1,213,000           | 5,500,000   | 235,586   | 4,610,000   | 10,551                    | 51,535,580              | 625,954                     |
| 1903.....               | 4,716,000           | 3,241,000          | 73,930,000                 | 121,880,000            | 39,000,000   | 1,156,000           | 24,840,000   | 1,528,000           | 5,710,000   | 194,486   | 4,380,000   | 6,430                     | 29,013,743              | 410,175                     |
| 1902.....               | 5,092,000           | 3,269,000          | 71,290,000                 | 122,910,000            | 40,560,000   | 1,165,000           | 23,310,000   | 1,541,000           | 5,390,000   | 150,366   | 2,030,000   | 25,811                    | 35,642,994              | 550,196                     |
| 1901.....               | 4,630,000           | 3,154,000          | 62,980,000                 | 118,610,000            | 33,210,000   | 1,125,000           | 21,930,000   | 1,487,000           | 6,320,000   | 145,103   | 1,520,000   | 28,202                    | 33,042,848              | 525,233                     |
| 1900.....               | 4,830,000           | 2,415,000          | 48,230,000                 | 96,610,000             | 26,080,000   | 845,000             | 16,270,000   | 1,139,000           | 3,990,000   | 111,096   | 1,890,000   | 21,665                    | 49,356,741              | 629,344                     |
| 1899.....               | 4,668,000           | 2,479,000          | 42,410,000                 | 93,330,000             | 21,390,000   | 884,000             | 16,030,000   | 1,169,000           | 3,190,000   | 114,544   | 1,800,000   | 24,928                    | 46,962,390              | 571,852                     |
| 1898.....               | 5,472,000           | 2,353,000          | 27,960,000                 | 94,110,000             | 13,180,000   | 823,000             | 14,780,000   | .....               | .....       | .....   | .....       | 17,222                    | 50,627,219              | 539,997                     |
| 1897.....               | 5,253,000           | 2,101,000          | 26,680,000                 | 84,040,000             | 12,610,000   | 735,000             | 14,070,000   | .....               | .....       | .....   | .....       | 16,382                    | 40,230,784              | 459,864                     |
| 1896.....               | 4,076,000           | 1,628,000          | 26,260,000                 | 65,120,000             | 11,720,000   | 570,000             | 14,540,000   | .....               | .....       | .....   | .....       | 13,283                    | 27,198,882              | 311,693                     |
| 1895.....               | 3,416,000           | 1,435,000          | 20,180,000                 | 57,390,000             | 11,480,000   | 502,000             | 8,700,000    | .....               | .....       | .....   | .....       | 13,490                    | 10,445,848              | 202,469                     |
| 1894.....               | 4,792,000           | 1,677,000          | 24,870,000                 | 67,090,000             | 13,420,000   | 587,000             | 11,450,000   | .....               | .....       | .....   | .....       | 5,526                     | 21,187,728              | 244,858                     |
| 1893.....               | 3,579,000           | 1,431,000          | 28,500,000                 | 57,260,000             | 16,600,000   | 501,000             | 11,900,000   | .....               | .....       | .....   | .....       | 2,710                     | 14,958,309              | .....                       |
| 1892.....               | 3,183,000           | 1,050,000          | 18,630,000                 | 42,010,000             | 10,080,000   | 368,000             | 8,550,000    | .....               | .....       | .....   | .....       | 2,260                     | 9,462,074               | .....                       |
| 1891.....               | 4,274,000           | 1,068,000          | 20,520,000                 | 42,740,000             | 11,540,000   | 374,000             | 8,980,000    | .....               | .....       | .....   | .....       | 6,075                     | 13,859,278              | .....                       |
| 1890.....               | 4,093,000           | 1,023,000          | 19,790,000                 | 40,930,000             | 11,460,000   | 358,000             | 8,330,000    | .....               | .....       | .....   | .....       | 5,054                     | 11,003,160              | .....                       |
| 1889.....               | 3,495,000           | 874,000            | 16,400,000                 | 34,950,000             | 10,130,000   | 306,000             | 6,270,000    | .....               | .....       | .....   | .....       | 3,330                     | 13,384,385              | .....                       |
| 1888.....               | 3,310,000           | 794,000            | 20,370,000                 | 31,770,000             | 13,980,000   | 278,000             | 6,390,000    | .....               | .....       | .....   | .....       | 5,687                     | 2,690,700               | .....                       |
| 1887.....               | 3,291,000           | 823,000            | 17,130,000                 | 32,910,000             | 11,520,000   | 288,000             | 5,610,000    | .....               | .....       | .....   | .....       | 3,109                     | 4,453,597               | .....                       |
| 1886.....               | 3,018,000           | 694,000            | 12,820,000                 | 27,770,000             | 8,050,000    | 243,000             | 4,770,000    | .....               | .....       | .....   | .....       | 5,616                     | 4,067,138               | .....                       |
| 1885.....               | 3,045,000           | 578,000            | 10,970,000                 | 23,140,000             | 6,710,000    | 202,000             | 4,260,000    | .....               | .....       | .....   | .....       | 5,897                     | 6,240,139               | .....                       |
| 1884.....               | 2,625,000           | 499,000            | 10,470,000                 | 19,950,000             | 6,980,000    | 174,000             | 3,490,000    | .....               | .....       | .....   | .....       | 5,523                     | 6,364,270               | .....                       |
| 1883.....               | 2,639,000           | 396,000            | 9,850,000                  | 15,840,000             | 6,020,000    | 138,000             | 3,830,000    | .....               | .....       | .....   | .....       | 2,337                     | 3,065,946               | .....                       |
| 1882.....               | 3,266,000           | 392,000            | 10,640,000                 | 15,680,000             | 7,060,000    | 137,000             | 3,580,000    | .....               | .....       | .....   | .....       | 5,900                     | 415,611                 | .....                       |
| 1881.....               | 2,455,000           | 295,000            | 8,380,000                  | 11,780,000             | 5,420,000    | 103,000             | 2,960,000    | .....               | .....       | .....   | .....       | 5,051                     | 713,549                 | .....                       |
| 1880.....               | 3,039,000           | 182,000            | 4,610,000                  | 7,290,000              | 2,770,000    | 64,000              | 1,840,000    | .....               | .....       | .....   | .....       | 5,614                     | 3,444,034               | .....                       |
| 1879.....               | 2,616,000           | 235,000            | 5,640,000                  | 9,420,000              | 3,670,000    | 82,000              | 1,970,000    | .....               | .....       | .....   | .....       | 6,071                     | 6,997,796               | .....                       |
| 1878.....               | 2,268,000           | 181,000            | 3,810,000                  | 7,260,000              | 2,400,000    | 64,000              | 1,410,000    | .....               | .....       | .....   | .....       | 8,199                     | 5,352,530               | .....                       |
| 1877.....               | 2,148,000           | 150,000            | 3,910,000                  | 6,020,000              | 2,650,000    | 53,000              | 1,260,000    | .....               | .....       | .....   | .....       | 8,379                     | 4,092,349               | .....                       |
| 1876.....               | 1,969,000           | 95,000             | 2,610,000                  | 3,940,000              | 1,770,000    | 34,000              | 840,000      | .....               | .....       | .....   | .....       | 5,155                     | 1,705,422               | .....                       |
| 1875.....               | 2,057,000           | 123,000            | 3,970,000                  | 4,940,000              | 2,670,000    | 43,000              | 1,300,000    | .....               | .....       | .....   | .....       | 2,582                     | 281,054                 | .....                       |
| 1874.....               | 1,687,000           | 84,000             | 2,530,000                  | 3,370,000              | 1,590,000    | 30,000              | 940,000      | .....               | .....       | .....   | .....       | 2,658                     | 417,887                 | .....                       |

<sup>1</sup> The figures of the Thirteenth Census are not shown in this table because they do not represent a single growth year.

## FERTILIZERS.

Cotton growers and farmers generally are coming to realize more and more the value of fertilizers in increasing the yield of their crops. This is especially the case with the cotton crop, and the use of commercial fertilizers is increasing, particularly in the eastern section of the Cotton Belt. Among the most important ingredients in fertilizers are ammoniates, of which cottonseed meal is one of the best. It is largely on this account that the oil mills have taken up the mixing and manufacture of fertilizers. For the season of 1913-14, 179 oil mills reported the manufacture of 402,417 tons of commercial fertilizers, valued at \$8,630,355. These establishments were located in 10 states, distributed as follows: In Alabama, 23; Arkansas, 8; Florida, 1; Georgia, 62; Louisiana, 6; Mississippi, 9; North Carolina, 26; South Carolina, 30; Tennessee, 1; and Texas, 13. These establishments do not represent all those which use cottonseed-oil meal in this manufacture. Large quantities of meal are also consumed by establishments primarily engaged in the manufacture of fertilizers, these, in many instances, being controlled by the same interests which operate the oil mills. In addition to the quantity of meal used in the manufacture of fertilizers by oil mills and fertilizer factories, large amounts are sold as such for use as fertilizer. However, it is probable that meal unmixed with other materials is not now being used for this purpose to such an extent as in earlier years.

## THE WORLD'S COTTONSEED-OIL INDUSTRY.

As shown in Table 19, the world's production of cotton for mill consumption in 1914 was 24,764,000 bales, of 500 pounds net weight. The total production of cotton seed must accordingly be in excess of 12,500,000 tons. The quantity required for planting purposes is comparatively small, and the total amount available for use in the expression of oil is in excess of 10,000,000 tons. The proportion of the total production used for this purpose, however, varies greatly for the different countries. In the United States about 80 per cent of the seed produced went to the oil mills, although in no other country is so high a percentage used in this manner.

The European mills obtain seed from practically all cotton-producing countries, this demand affording, in the case of some countries, the only market for this product. The oil content of the seed produced varies greatly, ranging from an average of 250 pounds of oil per ton for Indian seed to 550 pounds for Egyptian seed. The demand and prices for the several varieties of cotton seed accordingly differ greatly. The follow-

ing prices per short ton for cotton seed were quoted at Liverpool in April, 1914: Turkish, \$22; Indian, \$27; Brazilian, \$28; Egyptian, \$37; Peruvian, \$28 to \$36; and sea-island, \$34.

The extension of cotton growing to new districts and the development of the cottonseed-oil-mill industry has led to the construction of new mills in a number of countries. While accurate information relative to the present status of the industry in all countries is not available, the following statement is believed to be approximately correct. The number of mills for the United States is as published by this bureau and has already been given. The figures for other countries have been taken largely from "Cottonseed Industry in Foreign Countries," compiled by the Bureau of Foreign and Domestic Commerce, of this department. In this connection attention is called to the fact that, in a number of countries, oil is expressed from cotton seed in small establishments by primitive methods. The small establishments are not covered by the statement below:

NUMBER OF COTTONSEED-OIL MILLS, BY COUNTRIES: 1914.

| COUNTRY.           | Number of establishments. | COUNTRY.       | Number of establishments. |
|--------------------|---------------------------|----------------|---------------------------|
| Total.....         | 1,031                     | India.....     | 7                         |
| United States..... | 885                       | Egypt.....     | 5                         |
| England.....       | 50                        | Turkey.....    | 4                         |
| Russia.....        | 32                        | Brazil.....    | 7                         |
| Germany.....       | 9                         | Peru.....      | 11                        |
| France.....        | 5                         | Mexico.....    | 4                         |
| Austria.....       | 1                         | Chili.....     | 1                         |
| China.....         | 9                         | Venezuela..... | 1                         |

*United Kingdom.*—The extraction of oil from cotton seed, as a factory industry, first attained importance in the United Kingdom, where there are now about 50 such establishments. The mills are practically all located at the five ports of Hull, London, Liverpool, Bristol, and Gloucester, although there are a few mills in Scotland. Hull, with more than a dozen establishments, is the great crushing center of the country, about one-half of the annual imports of cotton seed being entered and consumed there. A number of the English mills also crush other seeds, a practice usually followed by the European oil mills. The quantity of cotton seed imported into England during 1914 amounted to 716,000 tons, valued at \$21,511,000. This supply was contributed as follows: India, 358,000 tons; Egypt, 240,000 tons; Brazil, 36,000 tons; and all other countries, 82,000 tons.

It is the practice, with a few exceptions, to crush the seed undelinted and without separating the meat from the hulls. This, of course, results in a larger percentage of cake being obtained than in America, where practically all of the seed is hulled. Owing to

the indifference displayed in manufacturing it the oil is not high grade and is taken almost exclusively by manufacturers of soap.

*Germany.*—In recent years several large oil mills for the crushing of cotton seed have been established in Germany, one located at Harburg having a daily capacity of 500 tons of seed. During the calendar year 1913, 242,282 tons of seed were imported, and during the first six months of 1914, 133,378 tons. Much the larger portion of the seed crushed comes from Egypt, nearly one-half of the quantity exported from that country going to Germany. Small quantities were also obtained from the United States, Brazil, and other countries.

The total consumption of oil cake in 1912 was estimated at 1,563,000 short tons. Cottonseed cake leads the list, with a consumption of 367,000 tons. The other important rivals are oil cake from rape seed, 303,000 tons; linseed, 220,000 tons; sesame, 165,000 tons; poppy and sunflower, 165,000 tons; palm kernel, 132,000 tons; and peanuts, 110,000 tons.

*France.*—There are 5 factories in France in which cotton seed is crushed with more or less regularity. All of these establishments crush other oleaginous seeds. Cottonseed crushing has never developed in France to the dimensions of an important industry, despite the ease with which the raw material is landed at its ports and the relatively abundant use of oil in the country. This is due largely to the highly developed conditions of the oil industry, especially the manufacture of peanut oil. A certain amount of high-grade cottonseed oil is obtained by cold pressure and is used for mixing with olive oil. The residual cake is subjected to high pressure for the extraction of the remaining oil. This system of double pressure is highly developed in French crushing, the practice being in use not only with cotton seed but also with other oleaginous seeds. It is a method of manufacture deserving increased attention on the part of American producers. The superior quality of this cold-press oil is indicated by the fact that at a time when the best American oil sold for 8.67 cents per pound in the Marseille market the cold-press oil sold currently for 9.33 cents. An additional advantage resultant upon the double-pressing system is the production of a much softer cake than that yielded by a single hot pressing.

*Russia.*—The production of cotton in Turkestan and Trans-Caucasus during the last two years has been in excess of 1,000,000 bales of 500 pounds each, with an accompanying seed product of more than 500,000 tons. While considerable quantities of seed have been used for expressing oil by primitive methods, it is only in recent years that the oil-mill industry on a factory

basis has been developed. In 1912 there were 31 oil factories in operation at various points in Turkestan, only two of which had been established prior to 1900. There is also an oil mill located at Nijni Novgorod, where seed from Persia and the Caucasus district is handled. In 1912 the 32 mills mentioned crushed 349,000 tons of seed, obtaining 55,900 tons of crude oil. The yield of oil was exactly 16 per cent and the loss in refining 10 per cent.

*Austria.*—There is a large mill in Lobositz, Bohemia, which, prior to the war, was engaged in crushing Egyptian cotton seed imported via Hamburg. The oil was used in the country, but almost all of the cake was sent to Germany.

*China.*—There are in this country numerous primitive oil mills, usually connected with ginning establishments located throughout the interior. Seed cotton is brought to these ginneries, the lint being removed, and the gin owners retain the seed as toll for the ginning. The oil expressed is sold for local use and the cake utilized for fertilizer. There are 9 mills in the country equipped with modern machinery, 8 of these being located at Shanghai and 1 at Hankow.

*India.*—Notwithstanding the fact that India ranks second among the cotton-producing countries, the first mill for crushing cotton seed with modern machinery was only established in 1900. Since then 6 other mills have been erected, the total for the country being 7. There is a movement looking to the erection of additional cottonseed-oil mills, as well as mills engaged in crushing other oil seeds, such as rape, soya bean, etc. It is probable that this industry will be greatly extended, since the market for the products would seem to justify this policy.

*Egypt.*—There are 5 large cottonseed-oil mills in Egypt, located at Alexandria and Kafr Zayat. In addition, there are a few small mills in the cotton districts. The industry was established and is maintained solely for the purpose of supplying the local demand for cottonseed oil. A large part of the seed produced in the country is exported to the United Kingdom and to Germany.

*Turkey.*—There have recently been established in Turkey 4 mills for the crushing of cotton seed, 2 of which are located at Mersina and 2 at Smyrna. These mills will consume a large part of the local supply of cotton seed. The oil is used in the country but about 90 per cent of the oil cake is shipped to England.

*Brazil.*—There are 7 oil mills in Brazil operated on a modern basis, and also a number of primitive oil mills located in the outlying cotton-growing districts. The chief center of the industry is at Pernambuco. None of the mills compares in importance with the larger ones in the United States.

*Peru.*—The cottonseed-oil industry in Peru has developed much more rapidly in recent years than has cotton culture itself. There are now 11 oil factories in Peru, located mostly in the cotton-growing districts. They are all well equipped with modern machinery.

*Mexico.*—A large part of the cotton produced in Mexico is grown in the Laguna district. There are 4 modernly equipped oil mills engaged in crushing cotton seed in this section—2 large ones located at Gomez Palacio and Torreon and smaller ones at Durango and Coahuila. The first two are adjuncts of extensive soap factories, the one at Gomez Palacio being reported as the largest in the world. There are 92 oil mills in Mexico, and cotton seed is crushed to a limited extent in a number of them.

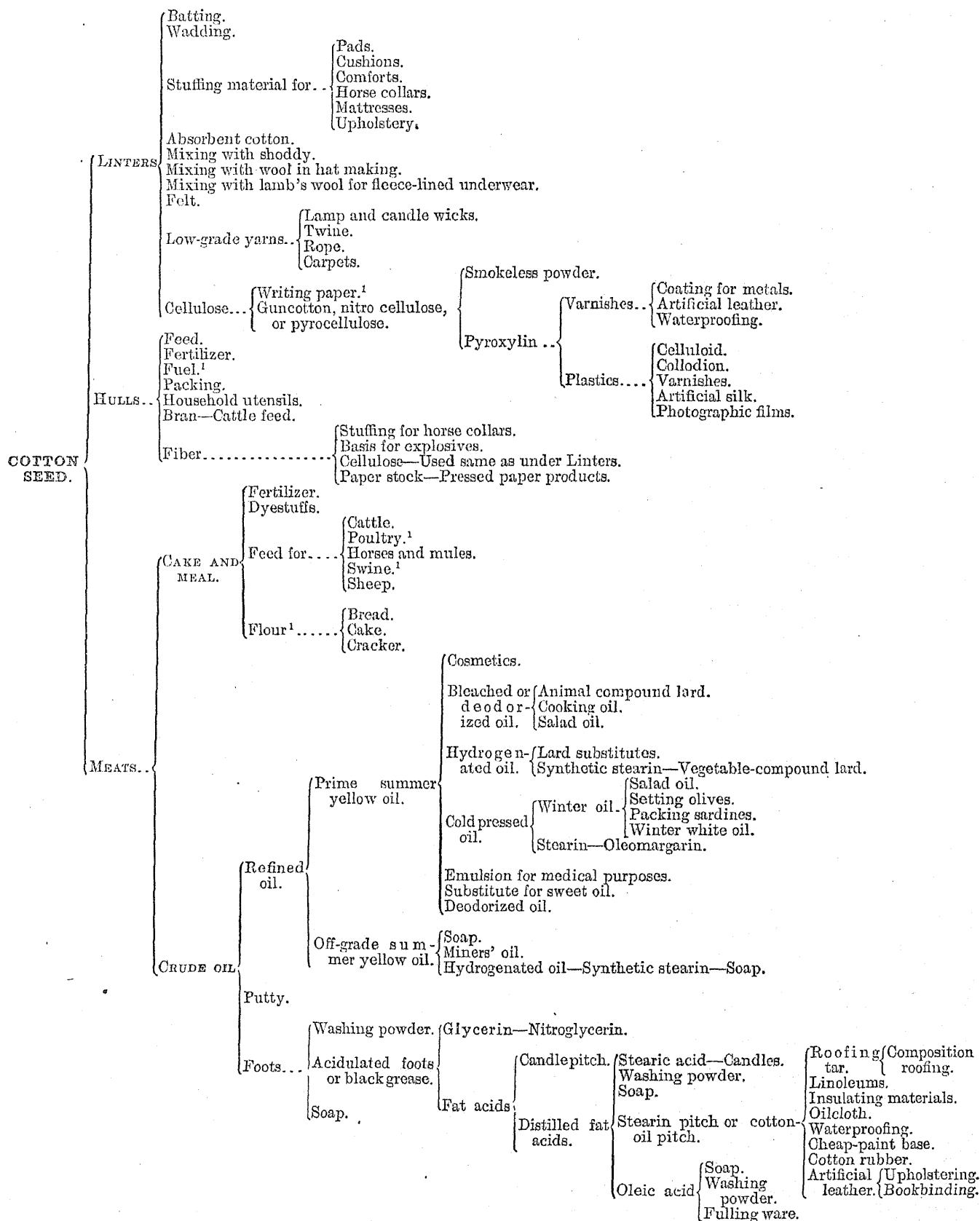
*Chile.*—While no cotton is produced in Chile, a factory with an annual capacity of 900 tons of oil has been erected. The cotton seed used in this mill is imported from Peru.

*Venezuela.*—A cottonseed-oil mill and refinery were built at Valencia some years ago. The seed used in this establishment is obtained from local sources.

#### PRODUCTS AND USES OF COTTON SEED.

New uses for the several products manufactured from cotton seed have multiplied in recent years, and it is probable that the field is not yet fully developed. In order that some idea may be had as to the extent of the present development, Diagram 2 is presented.

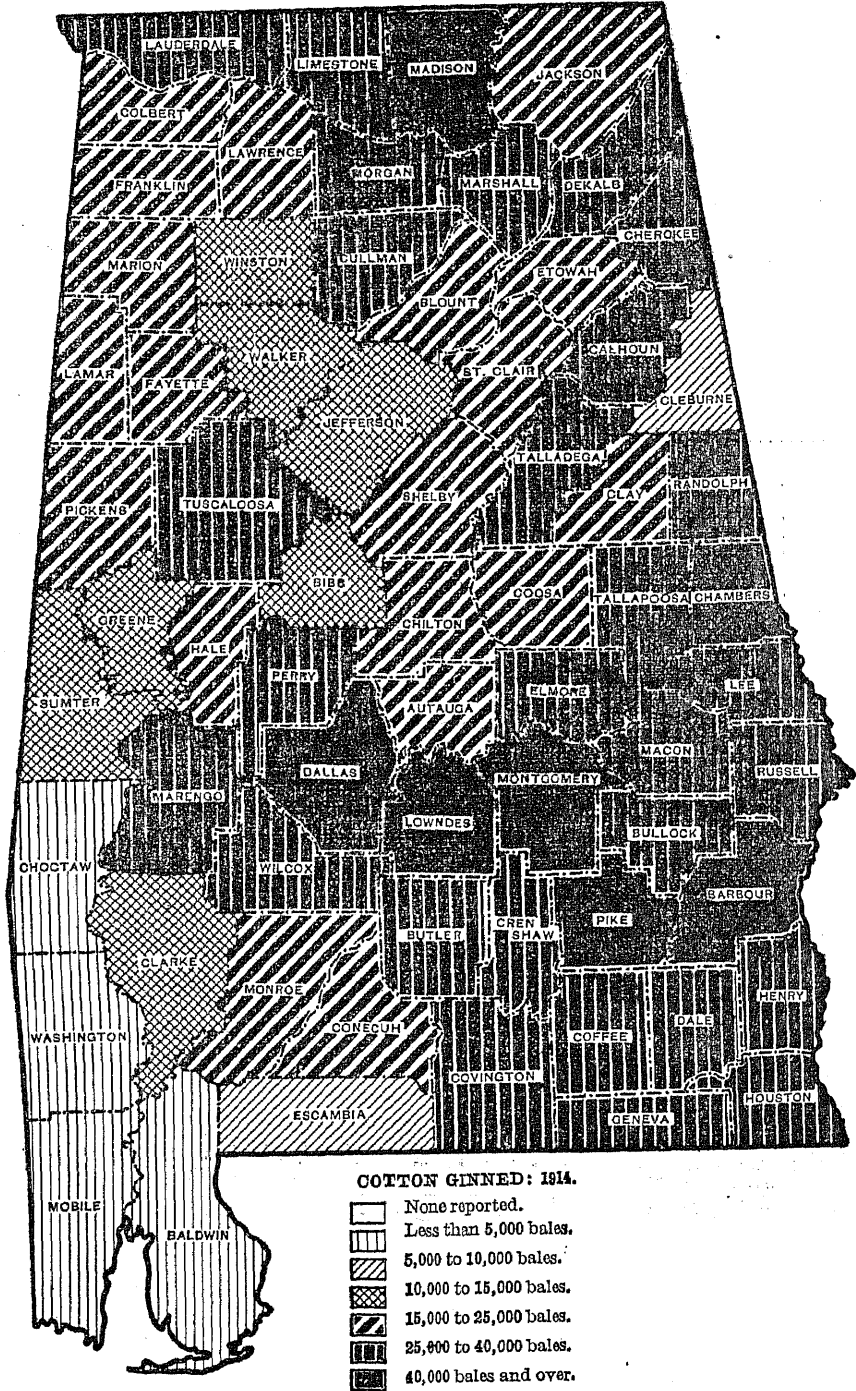
DIAGRAM 2.—PRODUCTS AND USES OF COTTON SEED.

<sup>1</sup> Possible uses to which small quantities only are devoted.



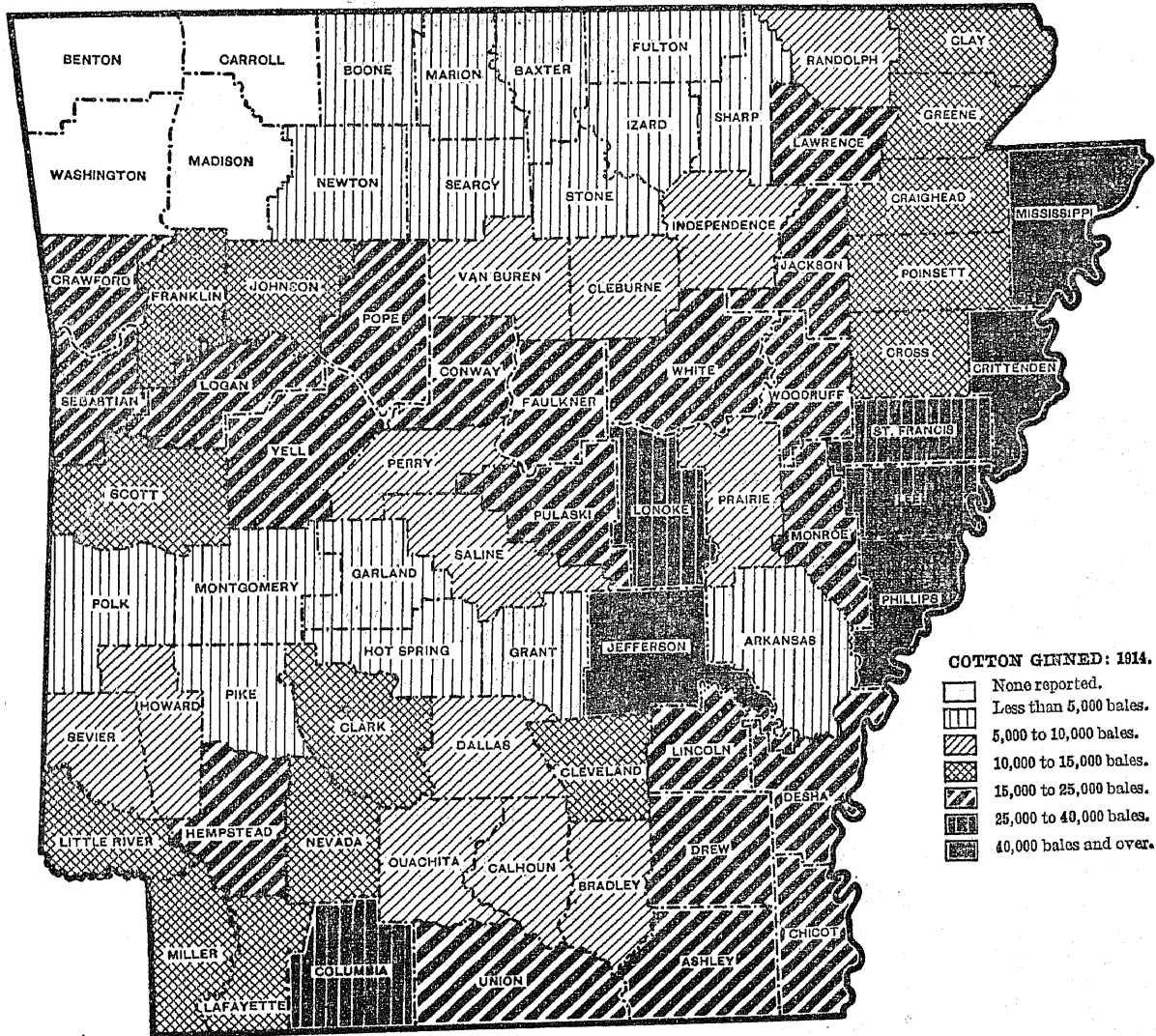
# ALABAMA.

[See table on page 32.]



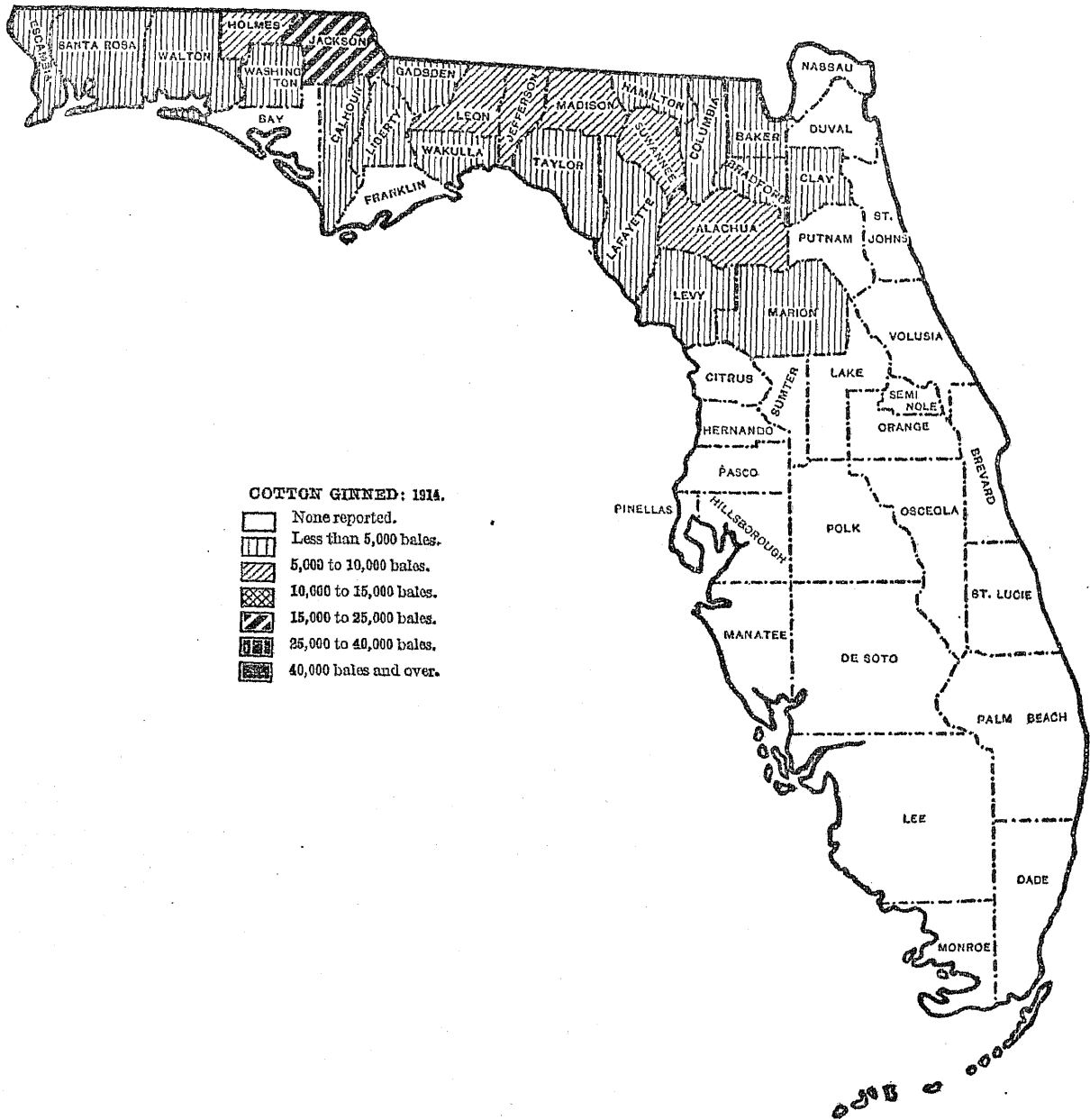
# ARKANSAS.

[See table on page 33.]



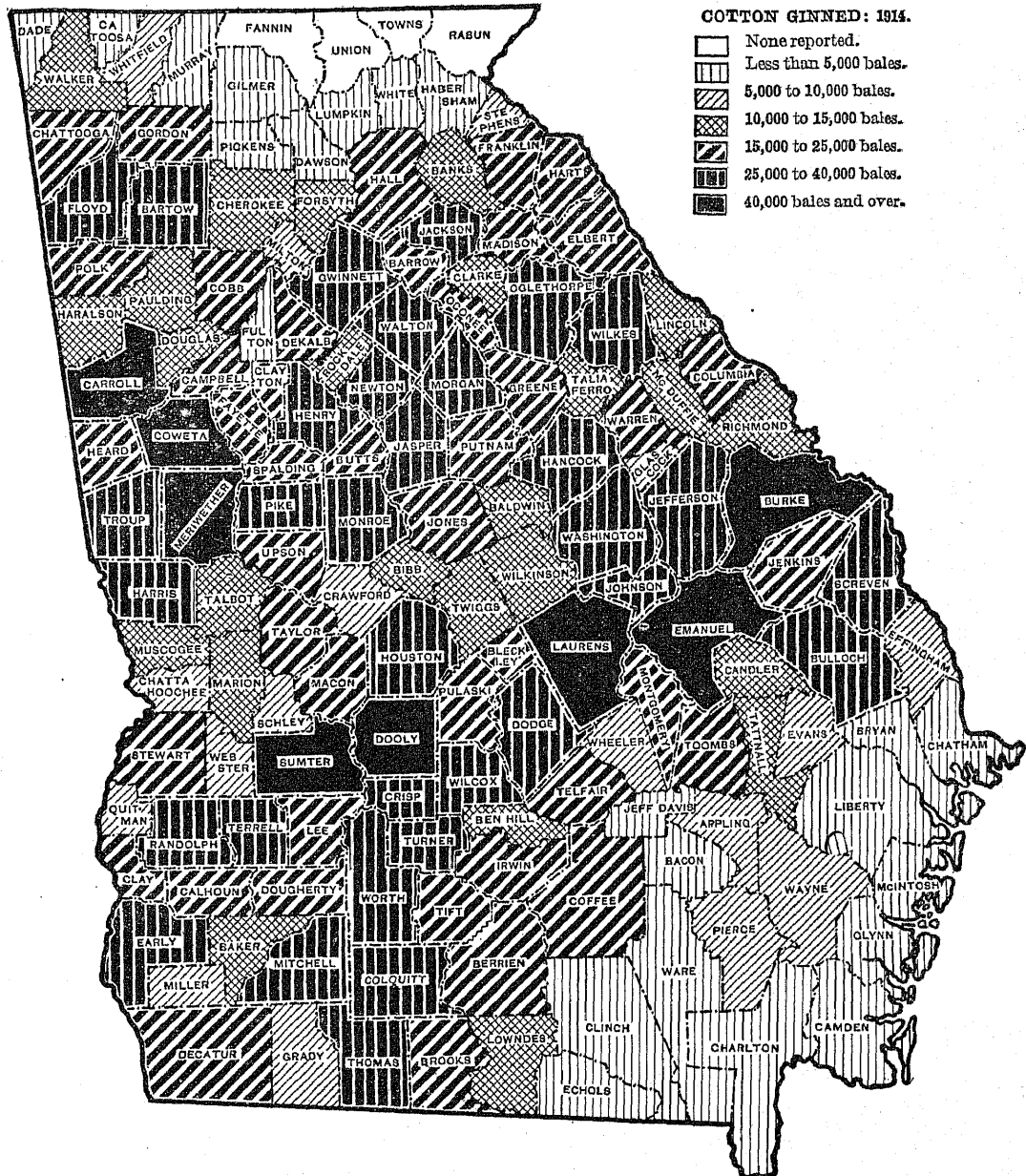
# FLORIDA.

[See table on page 34.]



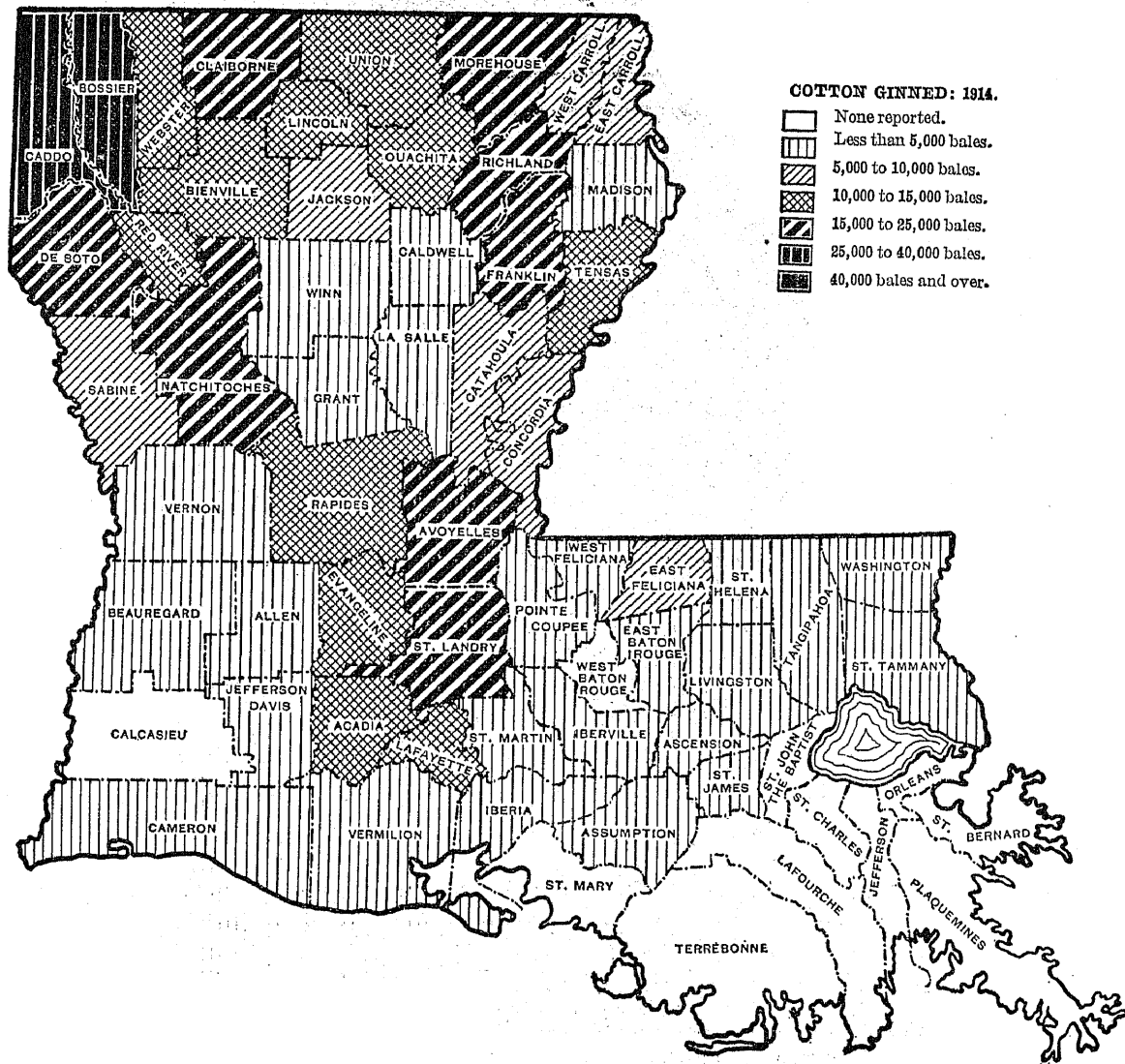
# GEORGIA.

[See table on page 34.]



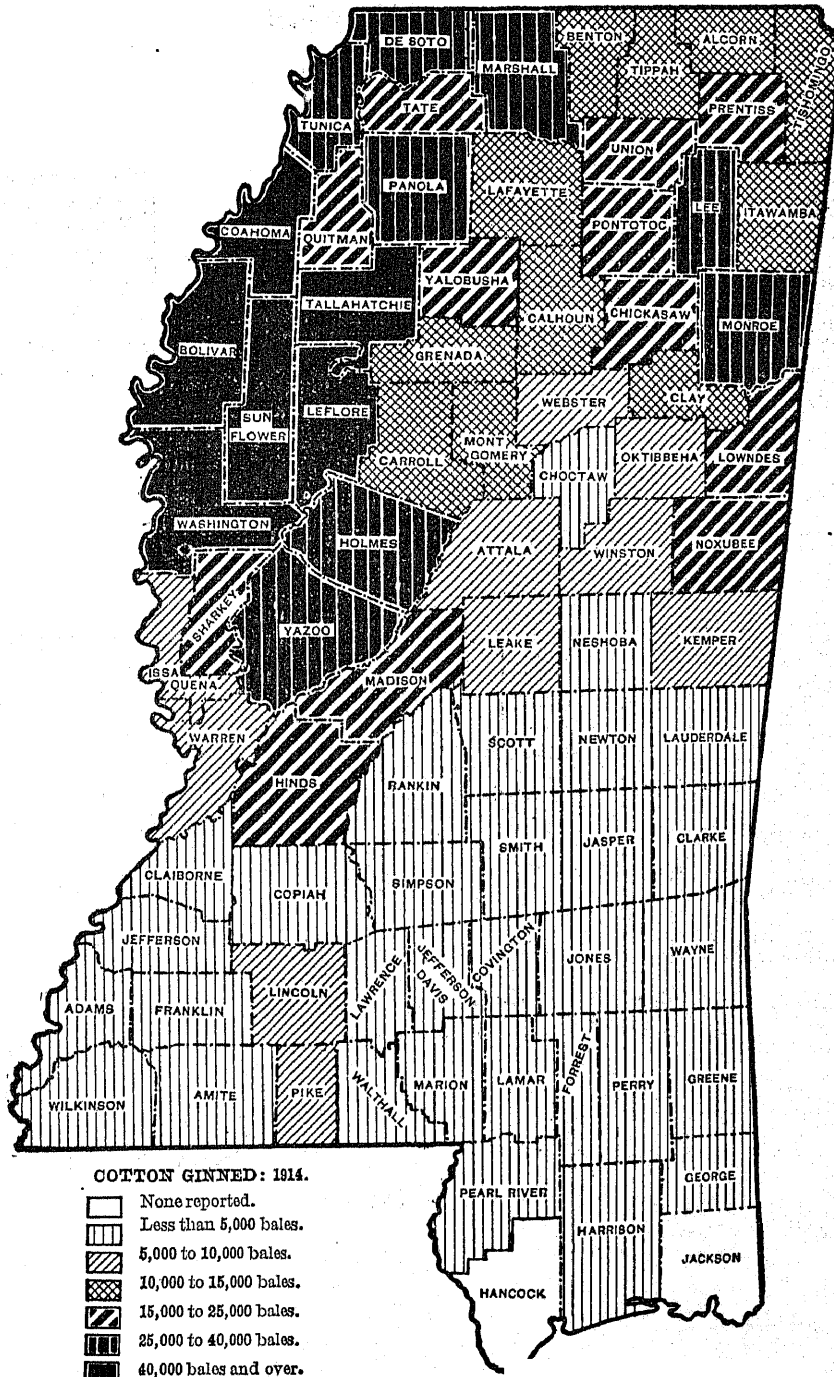
LOUISIANA.

[See table on page 36.]



# MISSISSIPPI.

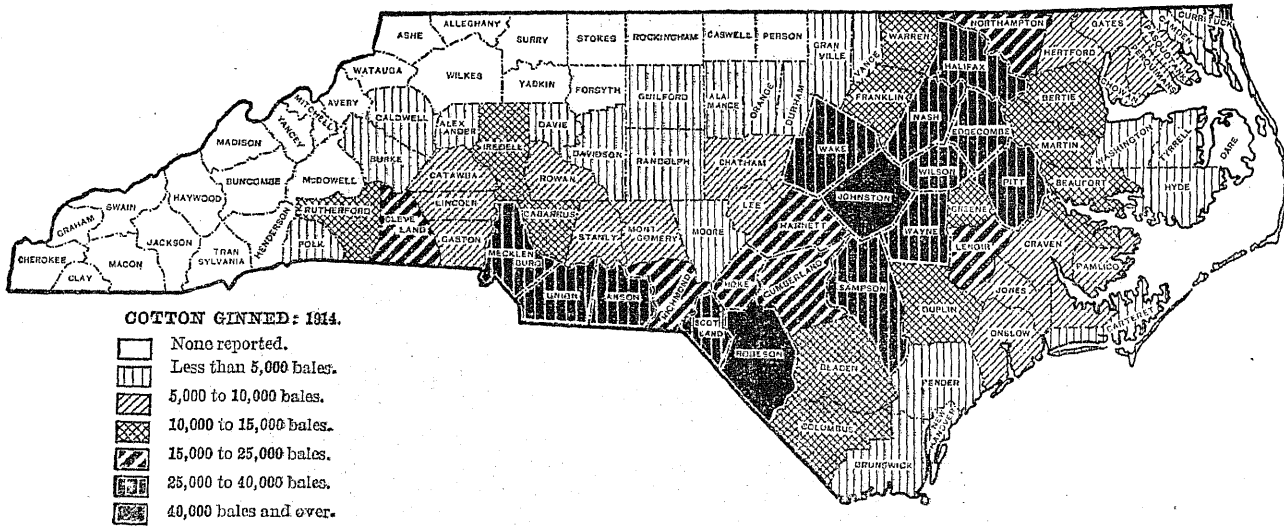
[See table on page 37.]





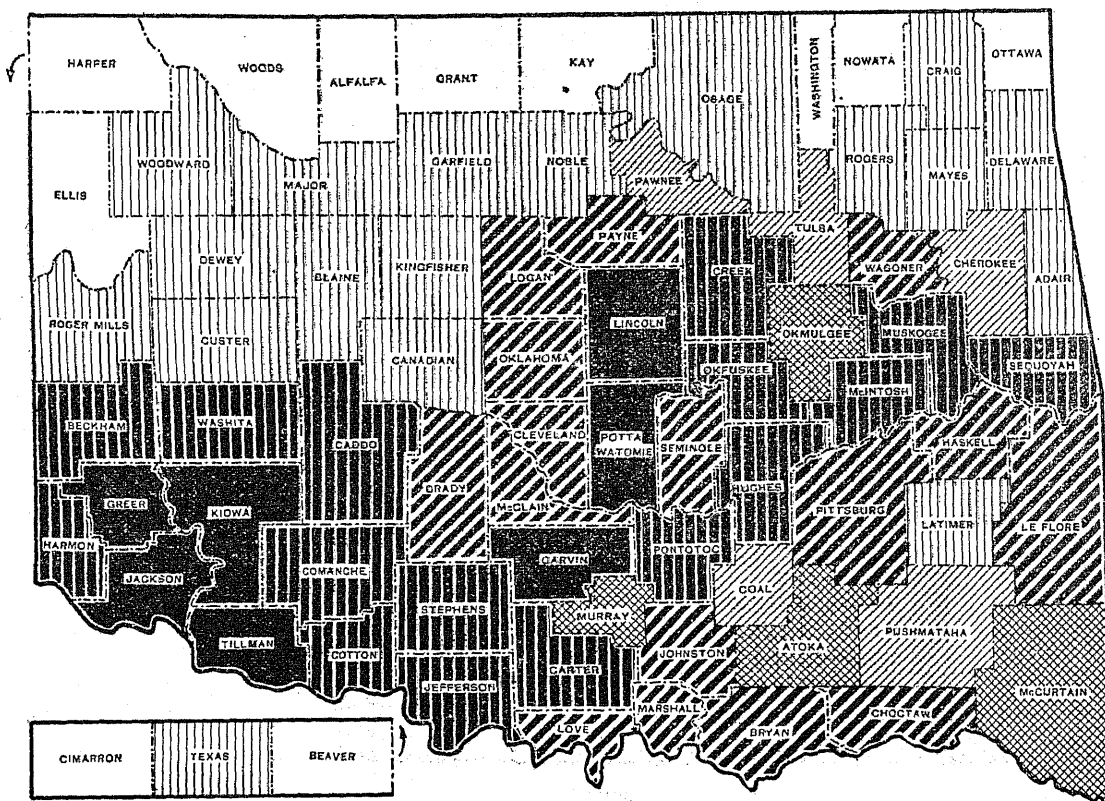
# NORTH CAROLINA.

[See table on page 38.]



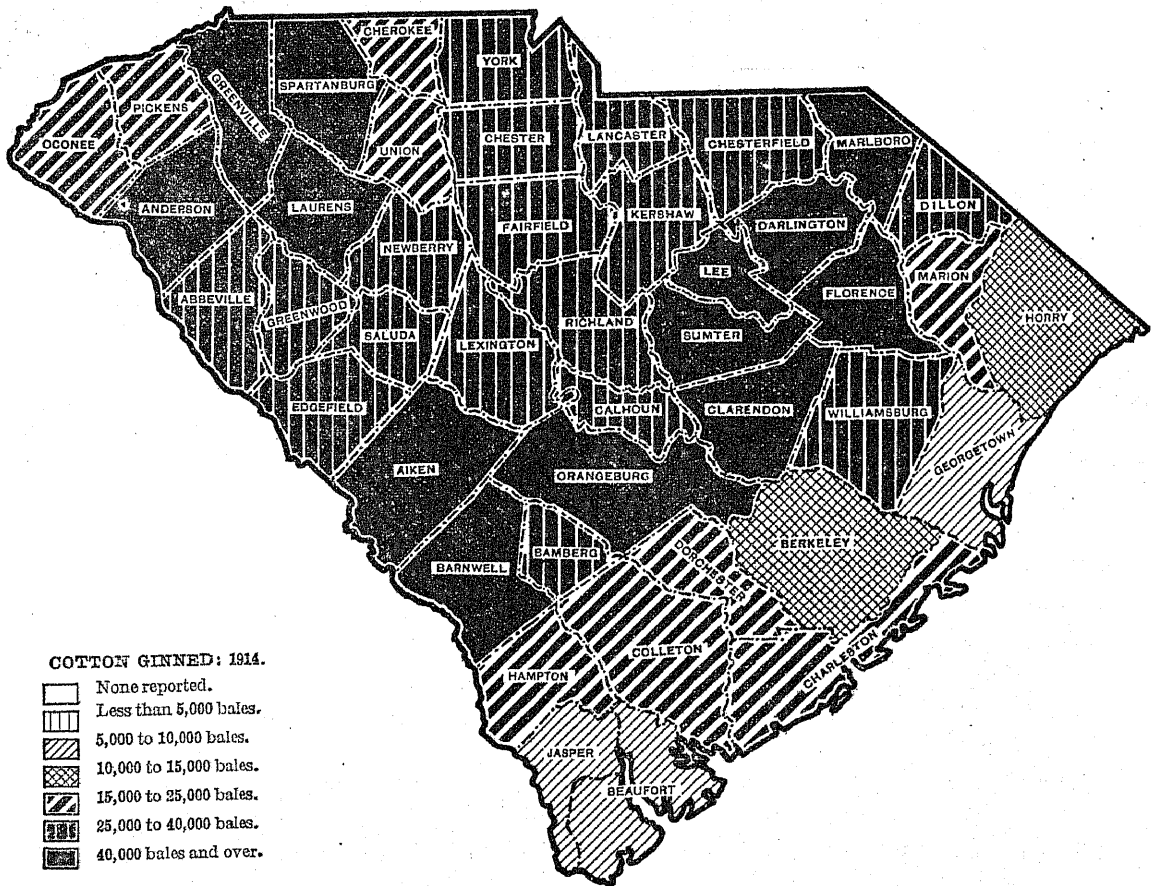
# OKLAHOMA.

[See table on page 39.]



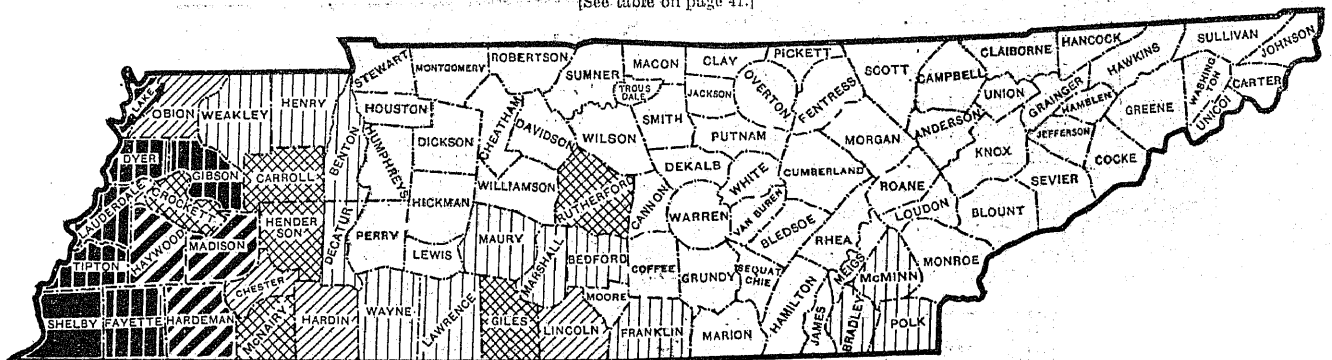
# SOUTH CAROLINA.

[See table on page 40.]



# TENNESSEE.

[See table on page 41.]



# TEXAS.

[See table on page 41.]

